

APPENDIX

A

LEED DOCUMENTATION

LEED VOC REPORTING FORM

P-22-09-04 [KINGSWAY]



PRODUCT INFORMATION		CERTIFICATION	VOC REQUIRED DATA*		
TAG	ITEM NAME/MANUFACTURER	YES or NO	I. CONTENT	II. LEED LIMIT	III. DOC.

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

06 20 23 FINISH CARPENTRY - INTERIOR FINISH CARPENTRY -

FC-01	WESTPINE ECO-GOLD MDF BASEBOARD 1/2 IN. X 4 NET WEST FRASER TIMBER CO. LTD.	YES LEED QUALIFIED
FC-02	WESTPINE ECO-GOLD MDF CASING 5/8 IN. X 2-1/2 IN. WEST FRASER TIMBER CO. LTD.	YES LEED QUALIFIED

DIVISION 08 - OPENINGS

08 14 16 WOOD DOORS - FLUSH WOOD DOORS -

DF-01	LYNDEN STANDARD SERIES GREENDOR WOOD PARTICLEBOARD CORE NAUF 20 MIN. FIRE RATING - FLAT LYNDEN DOOR	YES LEED QUALIFIED
DF-02	LYNDEN STANDARD SERIES GREENDOR WOOD PARTICLEBOARD CORE NAUF - FLAT LYNDEN DOOR	YES LEED QUALIFIED
DF-03	LYNDEN STANDARD SERIES GREENDOR HOLLOW-CORE BI-FOLD NAUF - FLAT LYNDEN DOOR	YES LEED QUALIFIED

DIVISION 09 - FINISHES

09 30 13 TILING - CERAMIC TILING -

T-01	EXCLUSIVE FLOORS NOHVA PORCELAIN 12 IN. X 24 IN. - BLACK EXCLUSIVE FLOORS LTD.	YES LEED QUALIFIED
T-02	MARAZZI MIDDLETON SQUARE GLAZED CERAMIC WALL TILE 4 IN. X 12 IN. - OXFORD WHITE MARAZZI	YES LEED QUALIFIED
T-03	EXCLUSIVE FLOORS ESTEEM CERAMIC TILE 12 IN. X 24 IN. - WHITE GLOSS EXCLUSIVE FLOORS LTD.	YES LEED QUALIFIED

DIVISION 09 - FINISHES

09 65 13 13 RESILIENT FLOORING - RESILIENT BASE AND ACCESSORIES - RESILIENT BASE

FL-01	TARKETT JOHNSONITE TIGHTLOCK CARPET COVE BASE 4-1/2 IN. - 40 BLACK B TARKETT	YES LEED QUALIFIED
FL-02	TARKETT JOHNSONITE 1/4 IN. MATERIAL ON-STEP AND RISER STAIR NOSING - 40 BLACK B TARKETT	YES LEED QUALIFIED
FL-03	TARKETT JOHNSONITE TACTILE GUIDE TILE WARNING STRIP - 40 BLACK B TARKETT	YES LEED QUALIFIED

DIVISION 09 - FINISHES

09 65 19 23 RESILIENT FLOORING - RESILIENT TILE FLOORING - VINYL TILE FLOORING

FL-04	HARBINGER THE QUITE ZONE VINYL PLANK FLOOR - CIRrus HARBINGER FLOORS	YES LEED QUALIFIED
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DIVISION 09 - FINISHES

09 68 13 CARPETING - TILE CARPETING -

FL-05	BEAULIEU INNOFIBE TILES MAINSTREET CARINA CARPET TILE - 03 JET INNOFIBRE TILES	YES LEED QUALIFIED
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DIVISION 09 - FINISHES

09 70 00 WALL FINISHES - WALL FINISHES -

WF-01	BENJAMIN MOORE OFF WHITE COLOURS - OC-65 CHANTILLY LACE BENJAMIN MOORE	LEED QUALIFIED			
WF-02	BENJAMIN MOORE OFF WHITE COLOURS - OC-51 INTENSE WHITE BENJAMIN MOORE	LEED QUALIFIED			
WF-03	BENJAMIN MOORE HISTORICAL COLOURS - HC-168 CHELSEA GRAY BENJAMIN MOORE	LEED QUALIFIED			
WF-04	BENJAMIN MOORE HISTORICAL COLOURS - HC-166 KENDALL CHARCOAL BENJAMIN MOORE	LEED QUALIFIED			
WF-05	BENJAMIN MOORE ULTRA SPEC 500 - INTERIOR PAINT BENJAMIN MOORE	YES LEED QUALIFIED	g/L	g/L	YES
			FINISHES		
WF-06	BENJAMIN MOORE AURA WATERBORNE BATH & SPA WASHABLE PAINT BENJAMIN MOORE	YES LEED QUALIFIED	g/L	g/L	YES
			FINISHES		
WF-07	BENJAMIN MOORE ULTRA SPEC SCUFF-X INTERIOR LATEX PAINT BENJAMIN MOORE	YES LEED QUALIFIED	g/L	g/L	YES
			FINISHES		
WF-08	BENJAMIN MOORE INSL-X LATEX FIRE RETARDANT PAINT BENJAMIN MOORE	YES LEED QUALIFIED	g/L	g/L	YES
			FINISHES		

DIVISION 11 - EQUIPMENT

11 30 13 13 RESIDENTIAL EQUIPMENT - RESIDENTIAL APPLIANCES - RESIDENTIAL KITCHEN APPLIANCES

RE-03	SAMSUNG 15 CU. FT. 28 IN. COUNTER-DEPTH BOTTOM MOUNT REFRIGERATOR SAMSUNG	YES LEED QUALIFIED
RE-04	SAMSUNG FRONT BUTTON CONTROL 50 DBA DISHWASHER SAMSUNG	YES LEED QUALIFIED
RE-05	SAMSUNG 2.2 CU. FT. FRONT LOAD WASHER W/ SUPER SPEED SAMSUNG	YES LEED QUALIFIED

DIVISION 12 - FURNISHINGS

12 21 13 33 WINDOW BLINDS - HORIZONTAL LOUVER BLINDS - PLASTIC HORIZONTAL LOUVER BLINDS

WT-01	WHOLESALE BLIND FACTORY 2 IN. KENSINGTON FAUX WOOD BLIND W/ STANDARD VALANCE - SMOOTH CLOUD WHITE WHOLE SALE BLIND FACTORY	YES LEED QUALIFIED
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DIVISION 12 - FURNISHINGS

12 30 00 CASEWORK - CASEWORK -

CW-01	UNIBOARD NU GREEN TFL PANEL SUPERMAT - WHITESMOKE UNIBOARD	YES
		LEED QUALIFIED
CW-02	UNIBOARD NU GREEN TFL PANEL RIVIERA OAK - ESTEREL UNIBOARD	YES
		LEED QUALIFIED

DIVISION 12 - FURNISHINGS

12 36 61 19 COUNTERTOPS - SIMULATED STONE COUNTERTOPS - QUARTZ AGGLOMERATE COUNTERTOPS

CT-01	CAESARSTONE STANDARD SERIES ORGANIC WHITE - POLISHED CAESARSTONE	YES
		LEED QUALIFIED

DIVISION 22 - PLUMBING

22 41 13 13 RESIDENTIAL PLUMBING FIXTURES - RESIDENTIAL WATER CLOSETS, URINALS, AND BIDETS - RESIDENTIAL WATER CLOSETS

PF-01	GERBER LEMORA 1.28 GPF 12 IN. ROUGH-IN 2-PIECE ELONGATED ERGOHEIGHT TOILET - PART 1 OF 2 (TANK) GERBER	YES
		LEED QUALIFIED
PF-02	GERBER LEMORA 1.28 GPF 12 IN. ROUGH-IN 2-PIECE SKIRTED ELONGATED ERGOHEIGHT TOILET - PART 2 OF 2 (BOWL) GERBER	YES
		LEED QUALIFIED

DIVISION 22 - PLUMBING

22 41 39 RESIDENTIAL PLUMBING FIXTURES - RESIDENTIAL FAUCETS, SUPPLIES, AND TRIM -

PF-08	BLANCO LINUS HIGH PRESSURE SILGRANIT FAUCET - COAL BLACK BLANCO	
		LEED QUALIFIED
PF-09	GERBER PARMA SINGLE HANDLE LAVATORY FAUCET - SATIN BLACK GERBER	YES
		LEED QUALIFIED
PF-14	GERBER VERSA 30 IN. SLIDE BAR W/ PARMA 5-FUNCTION HANDSHOWER - CHROME GERBER	YES
		LEED QUALIFIED
PF-16	GERBER PARMA 6-1/2 IN. WALL-MOUNT TUB SPOUT - CHROME GERBER	
		LEED QUALIFIED

DIVISION 23 - HEATING, VENTILATING, AND AIR CONDITIONING (HVAC)

23 34 00 HVAC FANS - HVAC FANS -

PR-01	PANASONIC WHISPERCEILING DC SMARTFLOW 50-80-110 CFM FAN - WHITE PANASONIC	YES
		LEED QUALIFIED

DIVISION -

- -

01	CUSTOM BUILDING PRODUCTS PRISM ULTIMATE PERFORMANCE GROUT	YES	g/L	g/L	YES
	CUSTOM BUILDING PRODUCTS	LEED QUALIFIED	SPECIALTIES		

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02	UZIN UTZ KE 2000 S PREMIUM PLUS UNIVERSAL FLOOR ADHESIVE UZIN	YES	g/L	g/L	YES
		LEED QUALIFIED	SPECIALTIES		
03	TARKETT PREMIUM CONTACT ADHESIVE 946 TARKETT	YES	g/L	g/L	YES
		LEED QUALIFIED	SPECIALTIES		
04	CUSTOM BUILDING PRODUCTS CERAMIC TILE CAULK CUSTOM BUILDING PRODUCTS	YES	g/L	g/L	YES
		LEED QUALIFIED	SPECIALTIES		
05			g/L	g/L	
06			g/L	g/L	
07			g/L	g/L	
08			g/L	g/L	
09			g/L	g/L	
10			g/L	g/L	
11			g/L	g/L	
12			g/L	g/L	
13			g/L	g/L	
14			g/L	g/L	
15			g/L	g/L	
16			g/L	g/L	
17			g/L	g/L	
18			g/L	g/L	

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REPORTING FORM OVERVIEW:

*VOC REQUIRED DATA:

Fields I. II. and III. are required for ALL field-applied adhesives, sealants, paints and coatings identified (including those related to MEP work).

I. Volatile organic compound which vaporizes into a gas at normal room temperatures and is emitted during the use, application, curing, or drying of an adhesive, sealant, paint, or coating product (excludes methane, carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, ammonium carbonate, and other exempt compounds).

II. Submit backup documentation from manufacturer indicating VOC content of the product, defined in either grams per liter, or lbs. per gallon (e.g., MSDS sheet, Product Data Sheet).

III. Refer to the Sustainable Design Requirements Spec. for applicable VOC limits and chemical component limitations for adhesives, sealants, paints and architectural coatings.

CONTRACTOR CERTIFICATION:

I, _____ a duly authorized representative of _____
hereby certify that the material information contained herein is an accurate representation of the material qualifications to be provided by us, as components of the final building construction. Furthermore, I understand that any change in such qualifications during the purchasing period will require prior written approval from the Construction Manager and Owner.

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____ Date: _____



PROJECT | TEAM

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DIRECTOR

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DIRECTOR OF PROJECTS

Pawan Sandhu

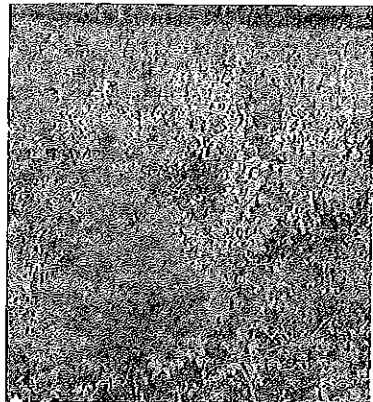
LionEstate Construction

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ECO GOLD TM

ENGINEERED FOR THE FUTURE



SUSTAINABLE
FORESTRY
INITIATIVE

Sustainable Forestry Initiative®
(SFI) Certified



Post-Industrial Recycled
Wood Fiber



Composite Panel Association
Eco-Certified Composite Product



Potential support for five
Leadership In Energy and
Environmental Design® (LEED) credits



- 100% POST-INDUSTRIAL RECYCLED FIBRE
- 100% NO ADDED FORMALDEHYDE (NAF)
- ALL PRODUCTS ARE CARB EXEMPT

West Fraser is committed to producing MDF panels and programs designed to meet the changing needs of today's customers.

West Fraser's **ECO  GOLD** is a premium quality medium density fibreboard (MDF) panel, manufactured by WestPine MDF, which performs to the environmental specifications required for today's market.

All marks are the property
of their respective companies



West Fraser



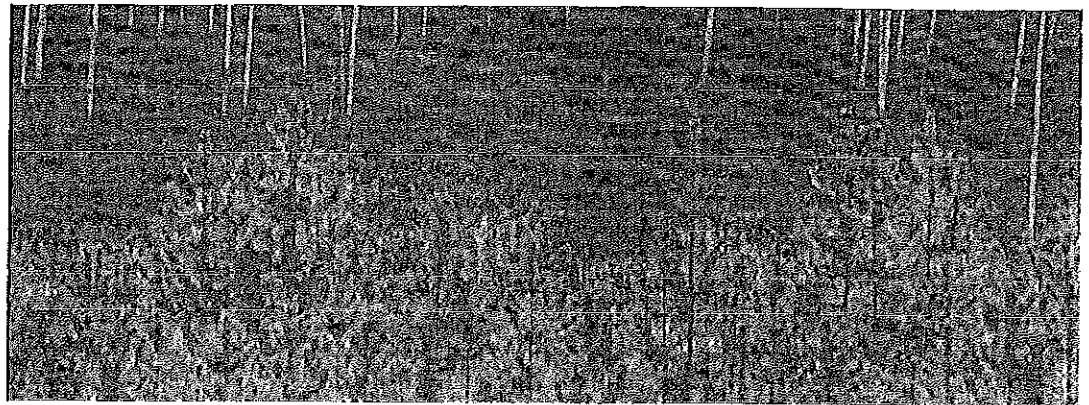
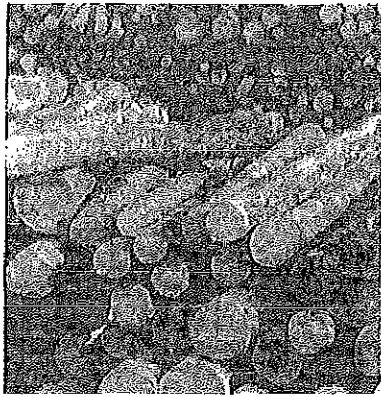
West Fraser MDF Sales & Marketing | 1250 Brownmiller Road, Quesnel, BC, Canada V2J 6P5

Tel: 1.780.413.8900 Fax: 1.780.413.8910 e-mail: mdf@westfraser.com | www.westfraser.com/products/mdf



West Fraser

ECO-GOLD
ENGINEERED FOR THE FUTURE



Sustainable Forestry Initiative®
(SFI) Certified



Post-Industrial Recycled
Wood Fiber



Composite Panel Association
Eco-Certified Composite Product



Potential support for five
Leadership in Energy and
Environmental Design® (LEED) credits

All marks are the property
of their respective companies

West Fraser's products are engineered for the future. They are ideal for projects where strength, durability and flexibility are important, such as building projects, furniture construction, retail applications and numerous other projects. **ECO-GOLD** is also the perfect choice when environmental concerns are a key consideration.

ECO-GOLD WestPine MDF – Product Specifications*		
	Imperial	Metric
Density	46 pcf	737 kg/m³
Internal Bond	130 psi	0.90 N/mm²
Modulus of Rupture	4,500 psi	31.0 N/mm²
Modulus of Elasticity	400,000 psi	2758 N/mm²
Screw Holding Face	325 lbs	1446 N
Screw Holding Edge	300 lbs	1334 N
Thickness Swell	9%	9%
Maximum Linear Expansion & Contraction	0.3%	0.3%
Thickness Tolerance	±0.005 in	±0.127 mm
Formaldehyde Emissions	Less than 0.01 ppm. Any formaldehyde in product is naturally occurring in the wood.	

*Specifications vary by thickness. Data provided is representative of 3/4". ECO-GOLD is produced in panel widths of 4' & 5'. Thickness ranging from 3mm - 3/4". Please contact a sales representative for more information.

WEST FRASER IS COMMITTED TO ENVIRONMENTAL EXCELLENCE

- West Fraser's MDF products are manufactured from 100% recycled wood fibre that is a by-product of sawmill operations.
- West Fraser's MDF facilities are SCS Global Services® (SCS) certified.
- West Fraser directly manages seven million hectares (seventeen million acres) of forest land, which is all certified by the Sustainable Forestry Initiative® (SFI) – an independent, internationally-recognized sustainable forest management certification program.
- Since the Company was founded in 1955, our operations have planted more than 1.4 billion trees. West Fraser planted more than 62 million trees in 2012.
- West Fraser's Canadian manufacturing facilities have cut direct greenhouse gas emissions (GHGs) by 30% since 2000.

West Fraser MDF Sales & Marketing | 1250 Brownmill Road, Quesnel, BC, Canada V2J 6P5

Tel: 1.780.413.8900 Fax: 1.780.413.8910 e-mail: mdf@westfraser.com | www.westfraser.com/products/mdf



WestPine ECO-Gold MDF Specifications



Imperial	1/8"	3/16" - 1/4"	5/16 - 1/2"	9/16" - 3/4"
Density	56 pcf	49.5 pcf	46.5 pcf	46 pcf
Internal Bond	150 psi	125 psi	120 psi	120 psi
Modulus of Rupture	6,000 psi	5,000 psi	4,500 psi	4,500 psi
Modulus of Elasticity	500,000 psi	450,000 psi	385,000 psi	375,000 psi
Screw Holding Face	n/a	n/a	350 lbs	325 lbs
Screw Holding Edge	n/a	n/a	n/a	300 lbs
Thickness Swell	0.047 in	0.047 in	0.047 in	7%
Maximum Linear Expansion & Contraction	0.3 %	0.3 %	0.3 %	0.3 %
Thickness Tolerance	±0.005 in	±0.005 in	±0.005 in	±0.005 in
Metric	3.0mm - 3.2mm	3.7mm - 6mm	9mm - 12mm	14mm - 19mm
Density	897 kg/m ³	793 kg/m ³	745 kg/m ³	737 kg/m ³
Internal Bond	1.03 N/mm ²	0.86 N/mm ²	0.83 N/mm ²	0.83 N/mm ²
Modulus of Rupture	41.4 N/mm ²	34.5 N/mm ²	31.0 N/mm ²	31.0 N/mm ²
Modulus of Elasticity	3447 N/mm ²	3103 N/mm ²	2758 N/mm ²	2758 N/mm ²
Screw Holding Face	n/a	n/a	1557 N	1446 N
Screw Holding Edge	n/a	n/a	n/a	1334 N
Thickness Swell	1.2 mm	1.2 mm	1.2 mm	7%
Maximum Linear Expansion & Contraction	0.3 %	0.3 %	0.3 %	0.3 %
Thickness Tolerance	±0.127 mm	±0.127 mm	±0.127 mm	±0.127 mm

Other Characteristics

1. Moisture content: Average moisture content of finished panels as shipped is 3.5 - 6.5%.
2. Formaldehyde emissions: WestPine ECO-Gold MDF is CARB Compliant for NAF (complies with CCR 93120).
3. Surface Burning Characteristics: Testing done on WestPine MDF in accordance with ASTM E-84 show material being Class 3 or C.
4. WestPine MDF is certified under the Composite Panel Association's Environmentally Preferable Product Grademark Program.
5. Standard finish on all panels is 150 grit.
6. Finished sizes available:
Width 45" to 62"
Length 72" to 193"
7. All physical property values represent the compiled average of quality assurance testing conducted on WestPine ECO-Gold MDF. WestPine ECO-Gold MDF complies with ANSI A208.2 - 2009 using the prescribed test methods in ASTM D-1037.
8. WestPine ECO-Gold MDF is manufactured from 100% Western white softwoods. Appearance is a consistent light sandy color.

WestPine Ltd., A Division of West Fraser Mills Ltd.
#9919 - 65 Ave, Edmonton, Alberta, Canada T6E 0L1
Phone: (780) 413-8900 Fax: (780) 413-8910

West Fraser Timber Co., Ltd.

West Fraser Mills, Ltd., 500 Carradice Road, Quesnel, BC, Canada

For the following product(s):

WestPine MDF™

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 90% Pre-consumer Recycled Wood Content
(dry weight basis)

Conforms to the SCS Recycled Content Standard V4-1

Registration # SCS-MC-01443

Valid from: March 1, 2012 to February 28, 2013

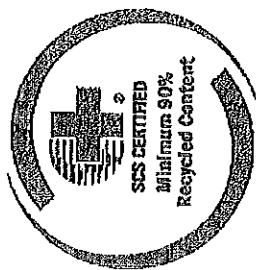


SCIENTIFIC CERTIFICATION SYSTEMS
Setting the standard for sustainability™



Robert J. Hughes

Robert J. Hrubes, Ph.D., Senior Vice President
Scientific Certification Systems
2000 Powell Street, Suite 600, Emeryville, CA 94608 USA

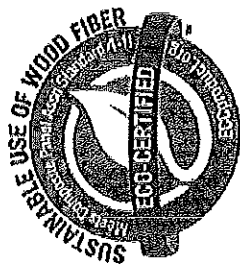


Pre-consumer
SCIENTIFIC CERTIFICATION SYSTEMS
SCS-MC-01443

ECO-CERTIFIED COMPOSITE GRADEMARK PROGRAM CERTIFICATE OF COMPLIANCE



Composite Panel Association
Hereby Affirms That



WESTPINE MDF

A DIVISION OF WEST FRASER MILLS LTD
QUESNEL, BRITISH COLUMBIA

Has Completed and Fulfilled the Requirements of:

CPA ECC 4-11 Standard for Eco-Certified Composites and California (CARB) Airborne Toxic Control Measure 93120

SCOPE OF CERTIFICATION

Light, Medium and High Density Fibreboard - MDS Production Category (CARB Phase 2)
Light, Medium and High Density Fibreboard - CARB NAF Exemption (EO N-11-017)

ECO-ATTRIBUTES

(To comply with the standard, at least 3 of the following are required)

- ☐ Carbon Footprint
- ☒ Locally Sourced Fiber
- ☒ Recycled, Recovered or Post-Consumer Fiber Content
- ☐ Sustainable Use of Wood Fiber
- ☒ Responsible Wood Sourcing

Mill ID #219

Effective Date: February 15, 2012

To verify continued certification, visit ECCproduct.org


Thomas A. Jones
President

SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:

West Fraser Timber Co., Ltd.

West Fraser Mills, Ltd., 300 Carradice Road, Quesnel, BC, Canada

For the following product(s):

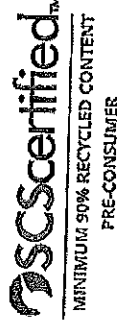
WestPine MDF™

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 90% Pre-consumer Recycled Wood Fiber Content
Conforms to the SCS Recycled Content Standard V6-0

Registration # SCS-MC-01443

Valid from: March 1, 2014 to February 28, 2015



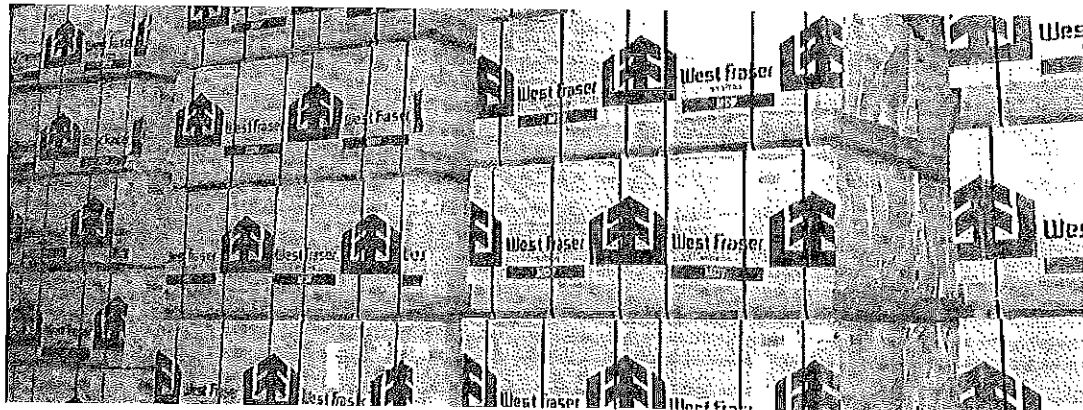
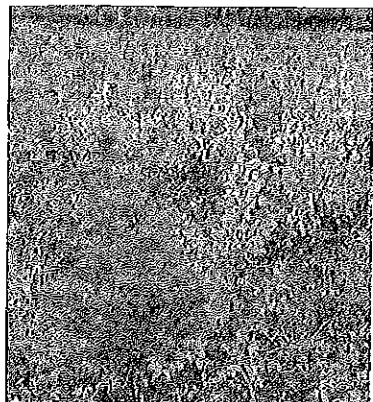
SCSglobal
SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President

2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

ECO GOLD TM

ENGINEERED FOR THE FUTURE



SUSTAINABLE
FORESTRY
INITIATIVE

Sustainable Forestry Initiative®
(SFI) Certified



Post-Industrial Recycled
Wood Fiber



Composite Panel Association
Eco-Certified Composite Product



Potential support for five
Leadership In Energy and
Environmental Design® (LEED) credits



- 100% POST-INDUSTRIAL RECYCLED FIBRE
- 100% NO ADDED FORMALDEHYDE (NAF)
- ALL PRODUCTS ARE CARB EXEMPT

West Fraser is committed to producing MDF panels and programs designed to meet the changing needs of today's customers.

West Fraser's **ECO  GOLD** is a premium quality medium density fibreboard (MDF) panel, manufactured by WestPine MDF, which performs to the environmental specifications required for today's market.

All marks are the property
of their respective companies



West Fraser



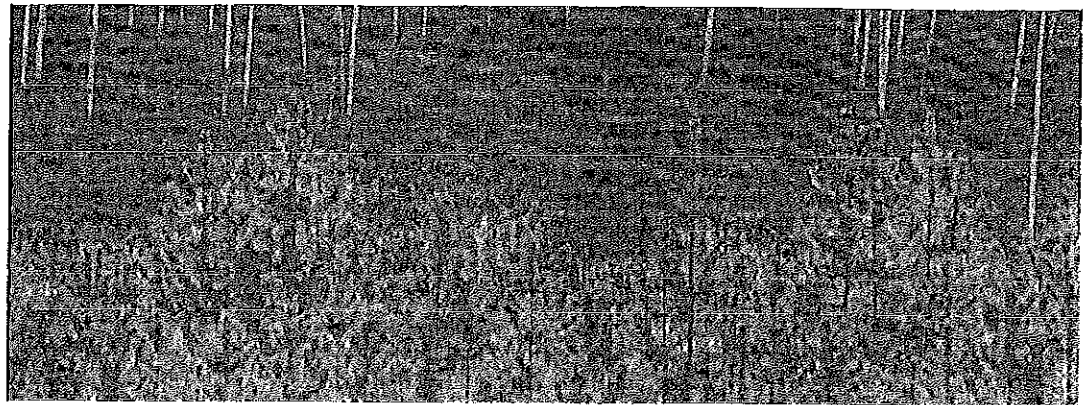
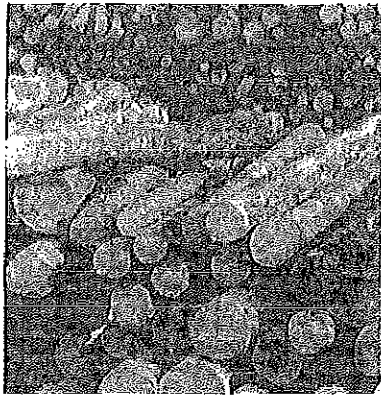
West Fraser MDF Sales & Marketing | 1250 Brownmiller Road, Quesnel, BC, Canada V2J 6P5

Tel: 1.780.413.8900 Fax: 1.780.413.8910 e-mail: mdf@westfraser.com | www.westfraser.com/products/mdf



West Fraser

ECO-GOLD
ENGINEERED FOR THE FUTURE



Sustainable Forestry Initiative®
(SFI) Certified



Post-Industrial Recycled
Wood Fiber



Composite Panel Association
Eco-Certified Composite Product



Potential support for five
Leadership in Energy and
Environmental Design® (LEED) credits

All marks are the property
of their respective companies

West Fraser's products are engineered for the future. They are ideal for projects where strength, durability and flexibility are important, such as building projects, furniture construction, retail applications and numerous other projects. **ECO-GOLD** is also the perfect choice when environmental concerns are a key consideration.

ECO-GOLD WestPine MDF – Product Specifications*		
	Imperial	Metric
Density	46 pcf	737 kg/m³
Internal Bond	130 psi	0.90 N/mm²
Modulus of Rupture	4,500 psi	31.0 N/mm²
Modulus of Elasticity	400,000 psi	2758 N/mm²
Screw Holding Face	325 lbs	1446 N
Screw Holding Edge	300 lbs	1334 N
Thickness Swell	9%	9%
Maximum Linear Expansion & Contraction	0.3%	0.3%
Thickness Tolerance	±0.005 in	±0.127 mm
Formaldehyde Emissions	Less than 0.01 ppm. Any formaldehyde in product is naturally occurring in the wood.	

*Specifications vary by thickness. Data provided is representative of 3/4". ECO-GOLD is produced in panel widths of 4' & 5'. Thickness ranging from 3mm - 3/4". Please contact a sales representative for more information.

WEST FRASER IS COMMITTED TO ENVIRONMENTAL EXCELLENCE

- West Fraser's MDF products are manufactured from 100% recycled wood fibre that is a by-product of sawmill operations.
- West Fraser's MDF facilities are SCS Global Services® (SCS) certified.
- West Fraser directly manages seven million hectares (seventeen million acres) of forest land, which is all certified by the Sustainable Forestry Initiative® (SFI) – an independent, internationally-recognized sustainable forest management certification program.
- Since the Company was founded in 1955, our operations have planted more than 1.4 billion trees. West Fraser planted more than 62 million trees in 2012.
- West Fraser's Canadian manufacturing facilities have cut direct greenhouse gas emissions (GHGs) by 30% since 2000.

West Fraser MDF Sales & Marketing | 1250 Brownmill Road, Quesnel, BC, Canada V2J 6P5

Tel: 1.780.413.8900 Fax: 1.780.413.8910 e-mail: mdf@westfraser.com | www.westfraser.com/products/mdf



WestPine ECO-Gold MDF Specifications



Imperial	1/8"	3/16" - 1/4"	5/16 - 1/2"	9/16" - 3/4"
Density	56 pcf	49.5 pcf	46.5 pcf	46 pcf
Internal Bond	150 psi	125 psi	120 psi	120 psi
Modulus of Rupture	6,000 psi	5,000 psi	4,500 psi	4,500 psi
Modulus of Elasticity	500,000 psi	450,000 psi	385,000 psi	375,000 psi
Screw Holding Face	n/a	n/a	350 lbs	325 lbs
Screw Holding Edge	n/a	n/a	n/a	300 lbs
Thickness Swell	0.047 in	0.047 in	0.047 in	7%
Maximum Linear Expansion & Contraction	0.3 %	0.3 %	0.3 %	0.3 %
Thickness Tolerance	±0.005 in	±0.005 in	±0.005 in	±0.005 in
Metric	3.0mm - 3.2mm	3.7mm - 6mm	9mm - 12mm	14mm - 19mm
Density	897 kg/m ³	793 kg/m ³	745 kg/m ³	737 kg/m ³
Internal Bond	1.03 N/mm ²	0.86 N/mm ²	0.83 N/mm ²	0.83 N/mm ²
Modulus of Rupture	41.4 N/mm ²	34.5 N/mm ²	31.0 N/mm ²	31.0 N/mm ²
Modulus of Elasticity	3447 N/mm ²	3103 N/mm ²	2758 N/mm ²	2758 N/mm ²
Screw Holding Face	n/a	n/a	1557 N	1446 N
Screw Holding Edge	n/a	n/a	n/a	1334 N
Thickness Swell	1.2 mm	1.2 mm	1.2 mm	7%
Maximum Linear Expansion & Contraction	0.3 %	0.3 %	0.3 %	0.3 %
Thickness Tolerance	±0.127 mm	±0.127 mm	±0.127 mm	±0.127 mm

Other Characteristics

1. Moisture content: Average moisture content of finished panels as shipped is 3.5 - 6.5%.
2. Formaldehyde emissions: WestPine ECO-Gold MDF is CARB Compliant for NAF (complies with CCR 93120).
3. Surface Burning Characteristics: Testing done on WestPine MDF in accordance with ASTM E-84 show material being Class 3 or C.
4. WestPine MDF is certified under the Composite Panel Association's Environmentally Preferable Product Grademark Program.
5. Standard finish on all panels is 150 grit.
6. Finished sizes available:
Width 45" to 62"
Length 72" to 193"
7. All physical property values represent the compiled average of quality assurance testing conducted on WestPine ECO-Gold MDF. WestPine ECO-Gold MDF complies with ANSI A208.2 - 2009 using the prescribed test methods in ASTM D-1037.
8. WestPine ECO-Gold MDF is manufactured from 100% Western white softwoods. Appearance is a consistent light sandy color.

WestPine Ltd., A Division of West Fraser Mills Ltd.
#9919 - 65 Ave, Edmonton, Alberta, Canada T6E 0L1
Phone: (780) 413-8900 Fax: (780) 413-8910

SCIENTIFIC CERTIFICATION SYSTEMS

West Fraser Timber Co., Ltd.

West Fraser Mills, Ltd., 300 Carradice Road, Quesnel, BC, Canada

For the following product(s):

WestPine MDF™

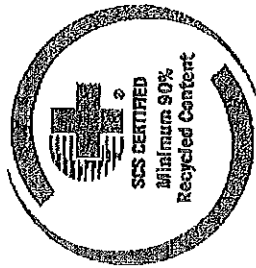
This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 90% Pre-consumer Recycled Wood Content
(dry weight basis)

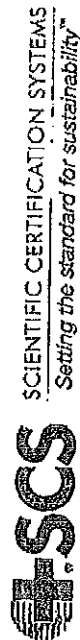
Conforms to the SCS Recycled Content Standard V4-1

Registration # SCS-MC-01443

Valid from: March 1, 2012 to February 28, 2013



Pre-consumer
SCIENTIFIC CERTIFICATION SYSTEMS
SCS-MC-01443



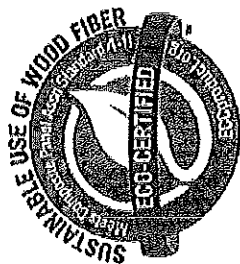
Robert J. Hrubes

Robert J. Hrubes, Ph.D., Senior Vice President
Scientific Certification Systems
2000 Powell Street, Suite 600, Emeryville, CA 94608 USA

ECO-CERTIFIED COMPOSITE GRADEMARK PROGRAM CERTIFICATE OF COMPLIANCE



Composite Panel Association
Hereby Affirms That



WESTPINE MDF

A DIVISION OF WEST FRASER MILLS LTD
QUESNEL, BRITISH COLUMBIA

Has Completed and Fulfilled the Requirements of:

CPA ECC 4-11 Standard for Eco-Certified Composites and California (CARB) Airborne Toxic Control Measure 93120

SCOPE OF CERTIFICATION

Light, Medium and High Density Fibreboard - MDS Production Category (CARB Phase 2)
Light, Medium and High Density Fibreboard - CARB NAF Exemption (EO N-11-017)

ECO-ATTRIBUTES

(To comply with the standard, at least 3 of the following are required)

- ☐ Carbon Footprint
- ☒ Locally Sourced Fiber
- ☒ Recycled, Recovered or Post-Consumer Fiber Content
- ☐ Sustainable Use of Wood Fiber
- ☒ Responsible Wood Sourcing

Mill ID #219

Effective Date: February 15, 2012

To verify continued certification, visit ECCproduct.org


Thomas A. Jones
President

SCS Global Services does hereby certify that an independent assessment has been conducted on behalf of:

West Fraser Timber Co., Ltd.

West Fraser Mills, Ltd., 300 Carradice Road, Quesnel, BC, Canada

For the following product(s):

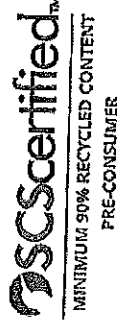
WestPine MDF™

This product meets all of the necessary qualifications to be certified for the following claim:

Minimum 90% Pre-consumer Recycled Wood Fiber Content
Conforms to the SCS Recycled Content Standard V6-0

Registration # SCS-MC-01443

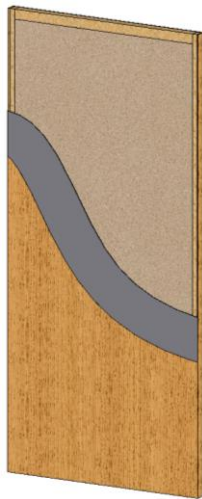
Valid from: March 1, 2014 to February 28, 2015



SCSglobal
SERVICES

Robert J. Hrubes, Ph.D., Executive Vice President

2000 Powell Street, Ste. 600, Emeryville, CA 94608 USA

Lynden Door
Standard Series
GREENDOR™
SD20 NAUF
Wood Particleboard Core
NAUF
Non Rated or 20 min.


FACES:	Wood veneer Prefinished smooth or embossed hardboard Paint grade hardboard
SUBSTRATE:	Engineered wood composites or wood veneer plywood
CORE:	Particleboard ANSI A208.1 LD1 Option: LD2
STILES:	Mill option clear or fingerjointed Softwood - AWS Type A Solid Wood Option: (CE) Compatible with face veneer
RAILS:	Mill option wood or MDF.
ASSEMBLY:	Non Bonded (Loose Lay).
ADHESIVES:	Type 2
MAXIMUM SIZE:	POSITIVE PRESSURE OR NEUTRAL PRESSURE WITH HOSE STREAM 4'0" x 8'0" (1219mm x 2438mm)
THICKNESS:	20 min rated 1 3/4" (45 mm) Non-rated 1 3/8" (35 mm) or 1 3/4" (45 mm)

WARRANTY: One (1) years for interior use only. See warranty terms and conditions. Possible extended warranties available, contact factory for options.

STANDARDS: Performance attributes meet or exceed WDMA IS-1A and AWS Heavy Duty standards when specified with blocking for surface applied hardware without through bolts

FIRE RATING: Positive Pressure Category B or Neutral Pressure **Option:** Positive Pressure Category A
Positive Pressure tested in accordance with UBC 7-2 1997, UL-10C and NFP 252
Neutral Pressure with hose stream tested in accordance with UBC-7 1994 and UL-10B
For additional information on fire doors please refer to the Lynden Door Fire Door Technical Sheets.

ACOUSTICAL RATING STC 33 Non-operable ASTM E90-09 OITC 30 Non-operable

ENVIRONMENTAL Attributes: All adhesives and binders in this product contain no added urea-formaldehyde.
This product is manufactured with pre-consumer recycled material.
This product may contribute to credits requiring regional harvesting or recovery of raw material and regional manufacturing.
For additional information on product contribution please refer to the **GREENDOR™** Contribution Sheets.

Manufacturing Options

BLOCKING: Special blocking options may be specified. (Reference WDMA I.S.1A blocking options HB-1 through HB-8)

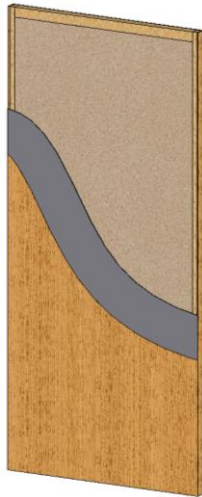
MACHINING: Machining for hardware, open cutouts, installation of lites and louvers, raceways, concealed vertical rods, dutch doors, Hardware cutouts shall be factory machined from manufacturers' templates and shop drawings.

TRANSPARENT FINISH WDMA TR6 / AWS System 9 -UV cured catalyzed polyurethane finishes in standard and custom match stains

Options: Other finish systems available

OPAQUE FINISH: Factory painting in standard and custom match colors

Options: Standard or color tinted priming available

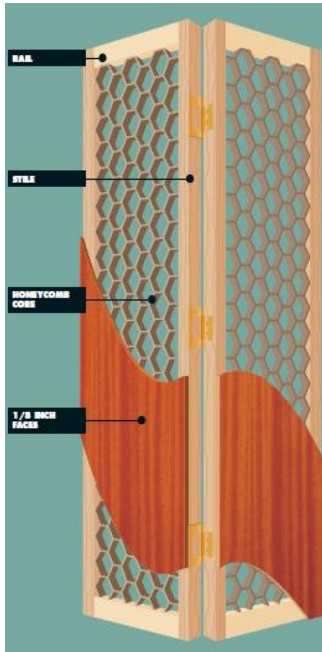
Lynden Door
Standard Series
GREENDOR™
SD20 NAUF
Wood Particleboard Core
NAUF
Non Rated or 20 min.


FACES:	Wood veneer Prefinished smooth or embossed hardboard Paint grade hardboard
SUBSTRATE:	Engineered wood composites or wood veneer plywood
CORE:	Particleboard ANSI A208.1 LD1 Option: LD2
STILES:	Mill option clear or fingerjointed Softwood - AWS Type A Solid Wood Option: (CE) Compatible with face veneer
RAILS:	Mill option wood or MDF.
ASSEMBLY:	Non Bonded (Loose Lay).
ADHESIVES:	Type 2
MAXIMUM SIZE:	POSITIVE PRESSURE OR NEUTRAL PRESSURE WITH HOSE STREAM 4'0" x 8'0" (1219mm x 2438mm)
THICKNESS:	20 min rated 1 3/4" (45 mm) Non-rated 1 3/8" (35 mm) or 1 3/4" (45 mm)

WARRANTY:	One (1) years for interior use only. See warranty terms and conditions. Possible extended warranties available, contact factory for options.
STANDARDS:	Performance attributes meet or exceed WDMA IS-1A and AWS Heavy Duty standards when specified with blocking for surface applied hardware without through bolts
FIRE RATING:	Positive Pressure Category B or Neutral Pressure Option: Positive Pressure Category A Positive Pressure tested in accordance with UBC 7-2 1997, UL-10C and NFP 252 Neutral Pressure with hose stream tested in accordance with UBC-7 1994 and UL-10B For additional information on fire doors please refer to the Lynden Door Fire Door Technical Sheets.
ACOUSTICAL RATING	STC 33 Non-operable ASTM E90-09 Option: OITC 30 Non-operable
ENVIRONMENTAL Attributes:	All adhesives and binders in this product contain no added urea-formaldehyde. This product is manufactured with pre-consumer recycled material. This product may contribute to credits requiring regional harvesting or recovery of raw material and regional manufacturing. For additional information on product contribution please refer to the GREENDOR™ Contribution Sheets.

Manufacturing Options

BLOCKING:	Special blocking options may be specified. (Reference WDMA I.S.1A blocking options HB-1 through HB-8)
MACHINING:	Machining for hardware, open cutouts, installation of lites and louvers, raceways, concealed vertical rods, dutch doors, Hardware cutouts shall be factory machined from manufacturers' templates and shop drawings.
TRANSPARENT FINISH	WDMA TR6 / AWS System 9 -UV cured catalyzed polyurethane finishes in standard and custom match stains Options: Other finish systems available
OPAQUE FINISH:	Factory painting in standard and custom match colors Options: Standard or color tinted priming available

Lynden Door
Standard Series
GREENDOR™
SD10BFNAUF
Hollow Core Bifold
NAUF
Non Rated


FACES:	Wood veneer Prefinished smooth or embossed hardboard Paint grade hardboard	
SUBSTRATE:	Engineered wood composites or wood veneer plywood	
CORE:	Kraft corrugated paper pads	
STILES:	Mill Option Solid Softwood, FJ Softwood, MDF Option: (CE) Compatible with face veneer	
RAILS:	Mill option wood or composite material	
ASSEMBLY:	Non Bonded (Loose Lay).	
ADHESIVES:	Type 2	
MAXIMUM SIZE:	Two Door Bifolds	Four Door Bifolds
	4'0 X 6'8	8'0 X 6'8
	4'0 X 7'0	8'0 X 7'0
	4'0 X 8'0	8'0 X 8'0
THICKNESS:	1 3/8" (35 mm) OPTION: 1-3/4" (44 mm)	

WARRANTY: 1 year, for interior use only. See warranty terms and conditions. Possible extended warranties available, contact factory for options.

STANDARDS: Performance attributes meet or exceed WDMA IS-1A and AWS Standard Duty standards when specified with blocking for surface applied hardware without through bolts

FIRE RATING: N/A

ACOUSTICAL RATING N/A

ENVIRONMENTAL Attributes: All adhesives and binders in this product contain no added urea-formaldehyde. This product is manufactured with pre-consumer recycled material. This product may contribute to credits requiring regional harvesting or recovery of raw material and regional manufacturing. For additional information on product contribution please refer to the **GREENDOR™** Contribution Sheets.

Manufacturing Options

BLOCKING:	Special blocking options may be specified.	
MACHINING:	Bifold units supplied with hanging track and hardware. For custom hinge prep and/or hardware prep contact factory.	
TRANSPARENT FINISH	WDMA TR6 / AWS System 9 – UV cured catalyzed polyurethane finishes in standard and custom match stains	
OPAQUE FINISH:	Factory painting in standard and custom match colors	Options: Standard or color tinted priming available

SPECIFICA TECNICA DI PRODOTTO CONFORME AI REQUISITI LEED NC 3.0 Technical product specification in conformity to LEED NC 3.0		data/date 29/11/19
SERIE/SERIES	NOHVA	
PRODOTTI/PRODUCTS	WHITE - GREY	
FORMATO/SIZE	30X60 RT – 30X60 LAPP - 60X60 RT – 60X60 LAPP	
SPESSORE/THICKNESS	30X60 RT – 30X60 LAPP - 60X60 RT – 60X60 LAPP SP 9 mm	
CARATTERISTICHE TECNICHE/TECHNICAL FEATURES	Conforme norma EN 14411 appendice G gruppo Bia / Compliant standards ISO 13006 annex G group Bia	

LEED NC 3.0 crediti/ LEED NC 3.0 credit		PRODOTTO/PRODUCT	
		WHITE	GREY
		Formati/ sizes: Tutti/ all	
<u>Credito MR 4 – contenuto di materiale riciclato pre-consumer/</u> Credit MR 4 – recycled content pre-consumer	%	≥ 40 %	
<u>Credito MR 4 – contenuto di materiale riciclato post-consumer/</u> Credit MR 4 – recycled content post-consumer	%	4	5
<u>Credito MR 5 – materiali regionali (sito di produzione)/</u> Credit MR 5 regional materials (production site)		Modena Italy	Modena Italy
<u>Crediti SS 7.1 - effetto isola di calore/</u> Credit SS 7.1 – heat island effect	SRI	35	35
<u>Credito EQ 4.3- materiali a bassa emissione: pavimenti/</u> Credit EQ 4.3 – low emitting materials; flooring system	VOC g/l	<0,01	<0,01
<u>Credito EA – ottimizzazione della performance energetica /</u> Credit EA – optimize energy performance	W/m °K Btu/ft °F	1 0,61	1 0,61

LEED NC 3.0 crediti/ LEED NC 3.0 credit		PUNTI/POINTS	
		WHITE	GREY
		Formati/ sizes: Tutti/ all	
<u>Credito MR 4 - contenuto di materiale riciclato pre-consumer/</u> Credit MR 4- recycled content pre-consumer	1 pt>20% 2 pt>40%	1	1
<u>Credito MR 4 – contenuto di materiale riciclato post-consumer/</u> Credit MR 4 recycled content post consumer	1 pt>10% 2 pt>20%	---	---
<u>Credito MR 5 - materiali regionali (distanza da MO -ITALY)/</u> Credit MR 5 – regional materials (distance from MO-ITALY)	1Pt<804 km (500 miles)	1	1
<u>Crediti SS 7.1 – effetto isola di calore/</u> Credit SS 7.1 – heat island effect	1pt>29	1	1
<u>Credito EQ 4.3 materiali a bassa emissione: pavimenti/</u> Credit EQ 4.3 low emitting materials; flooring system	VOC CA- sect. 1350	1	1
<u>Credito EA – ottimizzazione della performance energetica/</u> Credit EA – optimize energy performance		FROM 1 TO 10	FROM 1 TO 10

Compatibilità ambientale / Environmental performances

- **Riutilizzo del 100% degli scarti crudi /** 100% reuse of unfired tiles
- **Riciclo del 100% degli scarti cotti /** 100% recycling of the industrial waste-fired tiles
- **Riutilizzo del 100% delle acque /** 100% water recycling
- **Forte riduzione dei consumi di metano /** Methane consumption are highly reduced
- **Minime emissioni in atmosfera /** low emissions in the atmosphere
- **100% imballaggi riciclabili /** 100% recyclable packing materials
- **Pallet FAO (IPPC/FAO ISPM 15) /** FAO pallets (IPPC/FAO ISPM 33)

MIDDLETON SQUARE™

GLAZED CERAMIC WALL

MARAZZI®
DARE TO BE BOLD™

WALL



MIDDLETON SQUARE™

With its modern take on artisanal, hand-formed masonry, Middleton Square™ lets vertical spaces speak for themselves. Available in six exquisite colors, the pairing of subtle undulation and a bold 4 x 12 size makes this a versatile choice for any fashion-forward design. Straight-line or staggered patterns can be installed vertically or horizontally and integrate stylishly with stone, wood and metal elements. Punctuating residential or commercial settings, Middleton Square adds striking sophistication to any room.



COVER PHOTO: STEEPLE GRAY
ABOVE PHOTO: URBAN MIST

WALL

FINISHES: GLOSSY

USAGE

 FLOOR

 WALL

 COUNTERTOP

 SHOWER FLOOR

 EXTERIOR FLOOR

MATERIAL

 C6

PRICING

 LOW HIGH

SPECIAL FEATURES

 STEPWISE

 TRUEDGE

 MADE IN THE U.S.A.

 LARGE FORMAT

 MOSAIC/DECO

 ENCAUSTIC

 TERRAZZO

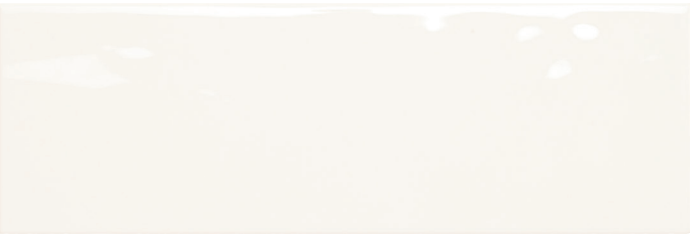
 PAVER

 CUSTOMIZE

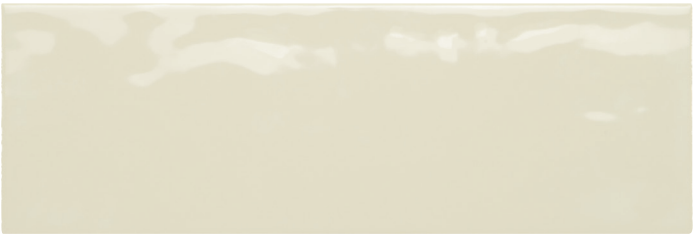
NOT APPLICABLE FOR ALL PRODUCTS IN THIS SERIES. SEE CHARTS FOR FULL PRODUCT DETAILS.

WALL

WALL TILE



MS40 Oxford White



MS41 Windsor Cream



MS42 Latte



MS43 Urban Mist



MS44 Steeple Gray



MS45 Black Bean

 STAINPROOF

 DENTPROOF

 FIRE-RESISTANT

 SIMPLICLEAN



LEARN MORE

FINISHES: GLOSSY

USAGE

FLOOR

WALL

COUNTERTOP

SHOWER FLOOR

EXTERIOR FLOOR

MATERIAL

C6

PRICING

LOW

HIGH

SPECIAL FEATURES

STEPWISE

TRUEEDGE

MADE IN THE U.S.A.

LARGE FORMAT

MOSAIC/DECO

ENCAUSTIC

TERRAZZO

PAVER

CUSTOMIZE

NOT APPLICABLE FOR ALL PRODUCTS IN THIS SERIES. SEE CHARTS FOR FULL PRODUCT DETAILS.

SIZES

			Thickness	Sq. Ft./ Carton	Pieces/ Carton
	4 x 12 Wall Tile	4-1/4" x 12-7/8" (10.90 cm x 32.76 cm)	5/16"	10.64	28

APPLICATIONS

	Target DCOF wet	Suitable
Dry & Level - Interior Floor	N/A	
Wet & Level - Interior Floor	≥ 0.42	
Shower Floors (Residential or Light Commercial)	≥ 0.42	
Exterior Floor Applications (including patios, pool decking & other wet areas with minimal footwear)	≥ 0.60	
Ramps & Inclines	≥ 0.65	
Walls/Backsplashes	N/A	
Countertops	N/A	
Pool Linings	N/A	

A DCOF value of ≥0.42 is the standard for tiles specified for level interior spaces expected to be walked upon when wet, as stated in ANSI A137.1-A326.3. For more information about DCOF and the DCOF AcuTest™, visit marazziusa.com/DCOF.

APPLICATION NOTES:

Suitable for exterior applications (provided it is noted as suitable in the applications chart above) in non-freezing climates, when proper installation methods are followed.

INSTALLATION

Grout Joint Recommendation	Shade Variation
Wall Tile: 1/16" (when rectangular size is installed in a staggered brick-joint pattern; overlap should not exceed 33%.)	 Low Variation

PERFORMANCE CHARACTERISTICS

	ASTM#	Wall Result
Water Absorption	C373	< 20%
Breaking Strength	C648	120 - 230 lbs
Scratch Hardness	MOHS	4.0 - 6.0
Chemical Resistance	C650	Resistant

For additional information on test results, visit us at: marazziusa.com/information/TestResults.

NOTES

Since there are variations in all fired ceramic and natural products, tile and trim supplied for your particular installation may not match samples. Final confirmation should be made from actual tiles and trim prior to installation. Manufactured in accordance with ANSI A137.1 standards.

For additional information refer to "Factors to Consider" at: marazziusa.com/Factors.

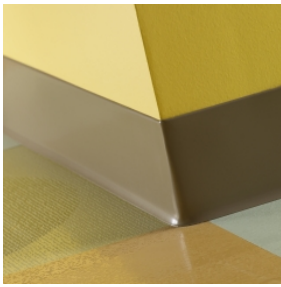
FEATURES



PRE-CONSUMER
RECYCLED MATERIALS



All or select items within this series meet the requirements for these qualifications. For more information visit marazziusa.com.



Tarkett TightLock® Rubber Wall Base

Category

Finishing Borders/Wall Base

Type

Rubber Wall Base (Type TP)

Style

TightLock Rubber Wall Base (Type TP)

TightLock Rubber Wall Base (ASTM Type TP) for use with carpet or resilient flooring



Certifications and Standards

Buy American Act Compliant	Yes
CA Section 01350	Yes
Environmental Product Declaration (EPD)	<i>Product Specific EPD valid until 2022-02-01</i>
FloorScore®	<i>SCS-FS-02078 Certified by SCS Global Services valid until 2022-06-30</i>
U.N. Global Compact	Yes



Human Health

Antimicrobial Free	Yes
TVOC Emissions (mg/m3)	5.00



Planet Health

Embodied Carbon (Cradle to Gate) - GWP (kgCO2e)	1.25 kg CO2 eq/sq meter
Embodied Carbon Documentation	<i>External Link</i>



Recycled Content

Recycled Content - Post Consumer (%)	0.0%
Recycled Content - Pre Consumer (%)	14.0%
Total Recycled Content (%)	14.0%

Materials Disclaimer - Material data is based on a specific product configuration, changes in configuration may affect material data details. Please confirm details regarding your specific product configuration.

Antimicrobial Free	Yes
Cadmium Free	Yes
Chlorine Free	Yes
Halogenated Flame Retardents Free	Yes
Lead Free	Yes
Mercury Free	Yes
Natural Rubber Free	Yes
PBDE Free	Yes
PFAS Free	Yes
PTFE Free	Yes
Phthalate Free	Yes
Urea-Formaldehyde Free	Yes

General

Extended Producer Responsibility	Yes
Extended Producer Responsibility Program	ReStart®
Extended Producer Responsibility URL	External Link
Manufacturing Location(s)	44023
MasterFormat® Number	09 65 13
Product Collection / Family	TightLock Rubber Wall Base
Product Page	External Link
Recyclable packaging	100%
Take Back Program Offered	Yes
Type	Rubber Wall Base (Type TP)

The information contained in this site was provided by the producer and/or certifier and we endeavor to keep the information up to date and correct. ecomedes make no representations or warranties of any kind, express or implied, about the completeness or availability of the product information on the site for any purpose. We encourage users to contact the producer or certifier directly for additional details. It's important to note that no products individually or collectively, can guarantee a specific number of points for LEED, WELL, GreenGlobes or LBC certifications.

Stair Nosings



FloorScore® certified
and meets CA 01350*



A part of ReStart® program



TVOC ≤ 100 µg/m3



Phthalate free, except
for recycled materials

Recycled Content
Pre-consumer 14%

Color Palette Availability

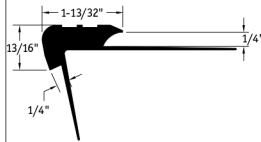
- C** = ColorMatch
Reference color guide in back.
- D** = Available in Metallic Colors
Reference color guide in back.
- ▲** = Can be specially ordered in Prima®
Marbleized™ and Prima® Olio® colorways.
Visit tarkettna.com. See page 49 for
details. Minimums may apply.
- *** = Also available in 50 White.
- ✓** = Available without contrasting strip.
- +** = See chart on page 167 for
contrasting Grit Tape colors.
- ✗** = See chart on page 156 for
contrasting solid insert colors.

SLIM LINE STAIR NOSINGS

SLN-XX-A

1/4" material
on step to
1/4" material
on riser.

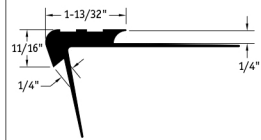
C D



SLN-XX-B

7/32" material
on step to
1/4" material
on riser.

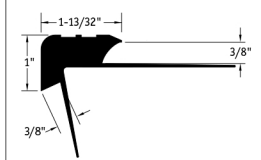
C D



SLN-XX-C

3/8" material
on step to
3/8" material
on riser.

C D

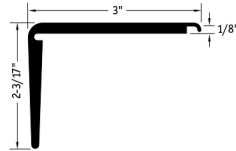


FLEXIBLE VINYL STAIR NOSINGS FOR THE VISUALLY IMPAIRED

VIRCN-XX-B

1/8" material w/lip
or 3/16" w/o lip.
2" co-extruded
visually impaired
strip.

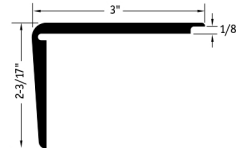
C ✱ ✓ ✗



VIRCN-XX-B2

1/8" material.
2" visually impaired
Grit Tape insert.

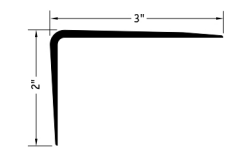
C +



VITSN-XX

Top set with
2" co-extruded
visually impaired
strip.

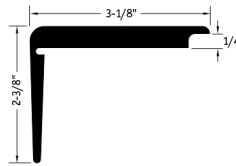
C ✗



VIRCN-XX-A

1/4" or 5/16"
material. 2"
co-extruded visually
impaired strip.

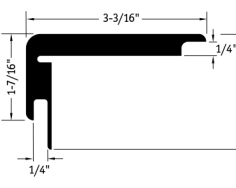
C ✱ ✓ ✗



VIVCD-XX

1/4" or 5/16"
material for step
and riser. 2" co-ex-
truded visually
impaired strip.

C ✱ ✓ ✗

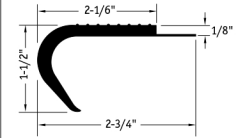


SOLID COLOR FLEXIBLE VINYL STAIR NOSINGS

VDL-XX-RD

1/8" material.

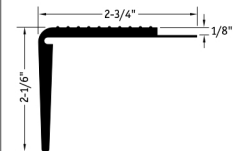
C



VDL-XX-SQ

1/8" material.

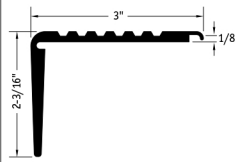
C



RCN-XX-B

1/8" material w/lip
or 3/16" w/o lip.

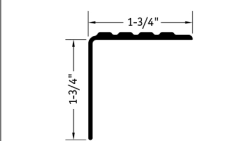
C



DTN-XX

Top set stair nosing
for residential use.

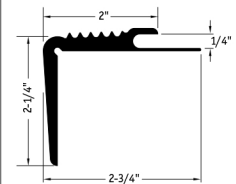
C



RCN-XX-A

1/4" or 5/16"
material.

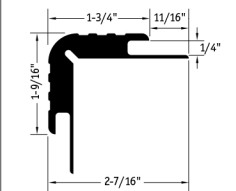
C ✱



VCD-XX

1/4" or 5/16"
material on step
and riser.

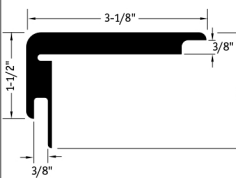
C



SVCD-XX-A

3/8" material on
step and riser.

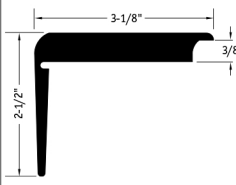
C



SRCN-XX-C

3/8" material
on step.

C



FLEXIBLE VINYL STAIR NOSINGS

Take steps to protect flooring materials from wear in stair and landing applications. Choose from 16 popular nosing profiles in the ColorMatch system or we can custom-match colors for your project. Slim line stair nosings are also available in metallic colors. To meet stringent accessibility requirements, choose profiles with contrasting color inserts for the Visually Impaired.

Stair Nosings



FloorScore® certified
and meets CA 01350*



A part of ReStart® program



TVOC ≤ 100 µg/m3



Phthalate free, except
for recycled materials

Recycled Content
Pre-consumer 14%



METALLICS

Metallics are available for Slim Line Stair
Nosings only.



Tactile Walking Surface Indicators

Product Specification

1. PROPRIETARY PRODUCT/MANUFACTURER

1.1. Proprietary Product: Tactile Walking Surface Tile Resilient

1.2. Manufacturer:

Tarkett North America Phone: (800) 899-8916
30000 Aurora Rd. (440) 543-8916
Solon, Ohio 44139
Web: www.tarkettna.com

1.3. Proprietary Product Description:

1.3.1. Construction: Tarkett Solid Color Rubber Tactile Walking Surface Indicators are manufactured from a homogeneous composition of 100% synthetic rubber, high quality additives, and colorants to meet the performance requirements of ASTM F 1344, Class 1-A and 1-B Standard Specification for Rubber Floor Tile. Tactile Walking Surface Tiles meet the Canadian Standards Association (CSA) B651-12, current ISO/FDIS 23599 Assistive Products for The Blind and Vision-Impaired Persons – Tactile Walking Surface Indicators, Division A of Ontario Regulation 332/12, and Accessibility for Ontarians with Disabilities Act (AODA).

Tarkett Rubber Floor Tiles are designed for interior applications only and not recommended for environments where the product will be exposed to animal fats, vegetable oils, or petroleum based materials (e.g.: commercial kitchens). Tarkett rubber floor tiles require the use of chair pads or chairs with casters designed for resilient flooring in work stations or similar environments. Tarkett rubber floor tiles are not warranted against cuts or lack of protection under caster wheels designed for carpeting or other types of flooring.

1.3.2. Styles:

- **Tactile Warning Tile (Attention Tile) Rubber Tiles (TW1):** 4.0 mm dome height with 3.2 mm base thickness; 7.2 mm overall thickness.
- **Tactile Guide Tile (Guide Tile) Rubber Tiles (TG1):** 4.0 mm bar height with 3.2 mm base thickness; 7.2 mm overall thickness.

1.3.3. Physical Characteristics:

Tile Size and Packaging:

- 24" x 24" (61 cm x 61 cm), 4 tiles per carton [16ft² (1.5 m²)]

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

- 2.1. **Abrasion Resistance** (ASTM D 3389): < 1.0 gm weight loss
- 2.2. **Hardness** (ASTM D 2240): Not less than 85 Shore A
- 2.3. **Slip Resistance** (ASTM D 2047): ≥ 0.5 SCOF
- 2.4. **Color Heat Stability** (ASTM F 1514): < 8.0 ΔE
- 2.5. **Static Load Limit** (ASTM F 970): Passes at 250 psi

- 2.6. **Fire Resistance** (ASTM E 648 - Critical Radiant Flux): Class 1
- 2.7. **Smoke Development** (ASTM E 662): < 450
- 2.8. **Chemical Resistance** (ASTM F 925): Passes - 5% Acetic acid, 70% Isopropyl alcohol, Sodium hydroxide solution (5% NaOH), Hydrochloric acid solution (5% HCl), Sulfuric acid solution (5% H₂SO₄), Household ammonia solution (5% NH₄OH), Household bleach (5.25% NaOCl), Disinfectant cleaner (5% active phenol).

3. INSTALLATION

See rubber tile flooring installation instructions for complete details.

3.1. Adhesives:

- **Tarkett 965 Adhesive Coverage:**
Porous Substrate: 125-150 sq. ft. per gallon
Non-porous Substrate: 150-175 sq. ft. per gallon
- **Tarkett 996 Two-Part Epoxy Adhesive Coverage:**
Porous & Non-porous Substrate: 150-175 sq. ft. per gallon
- **Tarkett 975 Two-Part Polyurethane Adhesive Coverage:**
Porous & Non-porous Substrate: 150-175 sq. ft. per gallon

4. AVAILABILITY AND COST

Available through authorized Tarkett distributors nationwide.

5. WARRANTY

Limited 5 year warranty. For complete details, contact Tarkett or an authorized Tarkett distributor.

6. MAINTENANCE

72 hours after installation is completed, initial maintenance procedures must be implemented in accordance with manufacturer's requirements. Refer to rubber tile maintenance instructions for complete maintenance details.

7. TECHNICAL SERVICES

Samples: Submittal samples for verification and approval available upon request from Tarkett. Samples shall be submitted in compliance with the requirements of the contract documents. Accepted and approved samples shall constitute the standard materials which represent materials installed on the project.

For current Installation and Maintenance Instructions, Product Specifications, and other technical data, visit us on the web at www.tarkettna.com or contact Tarkett at 1-800-899-8916.

Tarkett North America

Technical Services Department
30000 Aurora Road
Solon, Ohio 44139
800.899.8916
info@tarkettna.com

www.tarkettna.com

UZIN. YOUR FLOOR. OUR PROMISE.



Premium Universal Flooring Adhesive

UZIN KE 2000 S

Universal adhesive for all types of common floor coverings

Description:

UZIN KE 2000 S is a premium, universal adhesive, designed for the installation of various floor coverings on porous and nonporous substrates. UZIN KE 2000 S has high shear strength, excellent resistance to plasticizers and is quick drying allowing for fast installations. This installer friendly adhesive is low odor and easy to trowel, it is ideal for use in occupied buildings such as healthcare and educational facilities. UZIN KE 2000 S can be used in commercial and residential applications. For interior use only.

Suitable for:

- ▶ Vinyl flooring, sheet or tile
- ▶ Carpet coverings with common backings
- ▶ Linoleum up to 1/8" (3 mm)
- ▶ Vinyl and cushion backed sheet or tiles
- ▶ Luxury Vinyl Tile (LVT)
- ▶ Vinyl Composition Tile (VCT)
- ▶ Interior residential i.e. apartments, condominiums, houses
- ▶ Interior commercial i.e. offices, hospitals, schools, universities, libraries and government buildings

Suitable on:

- ▶ Porous and nonporous substrates
- ▶ Cement-based self-leveling compounds and patch
- ▶ Properly prepared and primed gypsum substrates that meet the ASTM F2419 requirements for compressive strength*
- ▶ Resilient insulating and sound control underlays
- ▶ Radiant-heat systems (hydronic or electric)

*Depending on floor covering manufacturer's requirements.

Product Properties:

UZIN KE 2000 S is a premium, universal adhesive with high shear and plasticizer resistance. UZIN KE 2000 S is a low odor adhesive.

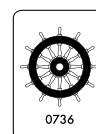


UZIN ÖKOLINE



www.blauer-engel.de/uz12a

LEED®
contributing
product



Features

- Universal
- High moisture resistance
- Plasticizer resistant
- High coverage
- High solids content
- Meets strict EMICODE criteria
- Compliant with California Sect. 01350 Standard
- Low VOC, less than 20 g/l, meets SCAQMD rule 1168

Benefits

- Install most floor coverings
- For use up to 85% RH*
- Minimizes the risk of shrinkage
- Cost saving
- Excellent bond strength
- Healthy indoor air quality
- LEED v4 contributing product (EQc2 – low emitting materials)
- Protects the environment, LEED v4 contributing product (EQc2 – low emitting materials)

*See; "Important Notes" for additional information.

Technical Data:

Packaging:	3 gal. / 14 kg / 11.35 l plastic pail
Storage:	minimum 12 months when stored in original packaging at 73°F (23°C)
Color:	white
Coverage:	approx. 225 – 630 sq. ft./pail, approx. 75 – 210 sq. ft./gal. (239 – 676 g/m²)
Minimum working temperature:	65°F (10°C) on floor
Ideal working temperature:	64 – 77°F (18 – 25°C) on floor
Flash time:	see reverse (Coverage:)
Working time:	approx. 15 minutes – 2 hours*
Set to traffic:	after 24 – 72 hours*
Final strength:	after 5 days*
Welding/sealing joints:	after 24 hours*
Flash point (ASTM D56):	> 300°F (> 150°C)
Percent Solids:	> 70 %
VOCs (Rule #1168 of California's SCAQMD):	< 20 g/l

*At 70°F (21°C) and 65% relative humidity.

Coverage is approximate and could vary depending on substrate porosity and the angle at which trowel is held.

Flash time, is the waiting time required before installing flooring.

Working time, is the window of time for the adhesive to accept flooring.

Note: Flash time and working time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

Substrate Preparation:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean and free of all contaminants such as grease, oil, paint, wax, curing and sealing compounds that would impair adhesion. Test the substrate in accordance with applicable standards relative to moisture content. Any weakly bonded or soft surface material such as loose patching compounds, leveling compounds, floor coverings or coatings must be removed by shot blasting, abrading, grinding or wet scraping. Thoroughly vacuum off all loose material or dust. **CAUTION:** Do not sand or grind adhesive residue, as harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions. Select a suitable primer and leveling compound from the UZIN Product Guide according to surface type and condition or seek technical assistance. It is always recommended to test for moisture content of the existing substrate to ensure that it meets the floor covering manufacturer's requirements. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity and curing agents. Do not install when the moisture vapor emission rate (MVER) exceeds 6 lbs. per 1,000 sq. ft. (2.72 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). Do not install when relative humidity of concrete slabs exceeds 85% (ASTM F2170). Refer to the Product Data Sheets for other products used.

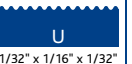
Application:

1. All flooring materials and area of work should be maintained at a minimum temperature of 65°F, for 48 hours prior to, during, and after installation. Apply the adhesive on the subfloor (porous or nonporous) with an UZIN recommended adhesive notched trowel*. Because of using the wet-set method of installation, test the adhesive to see if it is moist to the touch before installing the floor covering. It is the responsibility of the installer to apply the correct amount of adhesive for the job condition.
2. When installing sheet flooring, lay covering into adhesive and immediately roll the entire floor with a 100 lb. roller. Roll the floor covering twice, once in each direction. Ensure that severe roll end curl and lifting edges are dealt with during bonding. When installing tile flooring, lay covering into adhesive and roll within 15 minutes of installation (using a 100 lb. roller). Roll the floor covering twice, once in each direction. Ensure that lifting edges are dealt with during bonding. Work off the flooring or use knee boards to minimize floor indentations and movement. In either installation method ensure that air is not trapped beneath the covering. Periodically check back of floor covering to ensure >80% adhesive transfer.

*Tip: Immediately after trowel applying the adhesive, roll it with a short nap roller (dampened with adhesive) to flatten trowel ridges. This procedure will ensure that the trowel notch pattern does not telegraph through to the finished floor.

Coverage:

Ensure proper adhesive coverage and transfer. Most resilient flooring types require >80% transfer. Trowel sizes listed, are suggested to maximize coverage of adhesive.

Vinyl sheet goods – Homogeneous vinyl backed	Luxury vinyl tile (LVT)	Vinyl composition tile (VCT)	Linoleum (jute backed) up to 1/8" (3 mm) thick	Rubber sheet goods, max. 3/16" (4 mm) thick
Coverage* 185 – 210 sq. ft./gal.	Coverage* 160 – 185 sq. ft./gal.	Coverage* 160 – 185 sq. ft./gal.	Coverage* 110 – 135 sq. ft./gal.	Coverage* 130 – 155 sq. ft./gal.
Flash Time 10 – 20 min*	Flash Time 10 – 45 min*	Flash Time 10 – 45 min*	Flash Time 10 – 45 min*	Flash Time 15 – 45 min*
 1/32" x 1/16" x 5/64"	 1/32" x 1/16" x 1/32"	 1/32" x 1/16" x 1/32"	 3/32" x 3/32" x 3/32"	 1/16" x 1/16" x 1/16"

Broadloom double stick	Carpet pad double stick	Cushion backed carpet (vinyl & urethane)	Woven & Hot melt backed carpet	Non woven broadloom carpet
Coverage* 75 – 90 sq. ft./gal.	Coverage* 185 – 210 sq. ft./gal.	Coverage* 130 – 155 sq. ft./gal.	Coverage* 110 – 135 sq. ft./gal.	Coverage* 110 – 135 sq. ft./gal.
Flash Time 5 – 45 min*	Flash Time 10 – 20 min*	Flash Time 5 – 45 min*	Flash Time 5 – 45 min*	Flash Time 5 – 45 min*
 1/8" x 1/8" x 1/8"	 1/32" x 1/16" x 5/64"	 1/16" x 1/16" x 1/16"	 3/32" x 3/32" x 3/32"	 3/32" x 3/32" x 3/32"

* At 70°F (21°C) and 65% relative humidity, on substrates smoothed with UZIN NC 170 LevelStar and tempered adhesive containers. Coverage is approximate and could vary depending on substrate porosity and the angle at which trowel is held.

Important Notes:

- Storage: minimum 12 months, when stored in original packaging at 73°F (23°C). Protect from freezing. Tightly re-seal opened containers and use the contents as quickly as possible. Allow adhesive to reach room temperature before use.
 - Optimum working conditions are 70°F (20 – 25°C) room temperature, minimum floor temperature of 60°F (15°C) and relative humidity below 65%. Low temperatures and high humidity will delay, while high temperatures and low humidity will shorten the working time.
 - Frost resistance (5 cycles) 14°F (-10°C).
 - Do not install when the moisture vapor emission rate (MVER) exceeds 6 lbs. per 1,000 sq. ft. (2.72 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). Do not install when relative humidity of concrete slabs exceeds 85% (ASTM F2170).
 - Do not apply over any adhesive residues including cutback adhesive.
 - The coverings must be sufficiently acclimatized per the flooring manufacturers recommendations.
 - Ensure that severe roll end curl and lifting edges are dealt with during bonding.
 - The following standards, regulations and publications are applicable and especially recommended:
 - ASTM F1482-04(2009)e1 "Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring"
 - ASTM F710-11 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring"
 - ASTM F1869-11 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride"
 - ASTM F2170-11 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"
- CRI Green Label Plus #GLP12617. Refer to CRI website at www.carpet-rug.org for additional information.
- RFCI IP #1, Recommended Installation Practice for Homogeneous Sheet Flooring
 - RFCI IP #2, Recommended Installation Practice for Vinyl Composition Tile (VCT)
 - CRI #104, Standard for Installation Specification of Commercial Carpet

Protection of the Workplace and the Environment:

Water based adhesive, with a VOC content less than 20 grams per liter. Suitable as a substitute material for high solvent content adhesives used for flooring installations.

Precautions:

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at www.uzin.us.

Disposal:

Disposal should be in accordance with local, state and federal regulations. Where possible, collect product residues and re-use. Do not allow into drains, waterways or landfill. Empty plastic containers are recyclable.

The above information is based on our experience and testing. Uzin Utz North America, Inc. is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this product data sheet invalidates all previous product information.

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- ▶ Carpet coverings with common backings
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- ▶ Cement-based self-leveling compounds and patch
- ▶ Properly prepared and primed gypsum substrates that meet the ASTM F2419 requirements for compressive strength*
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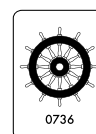


UZIN ÖKOLINE



www.blauer-engel.de/uz12a

LEED®
contributing
product



Features

- Universal
- High moisture resistance
- Plasticizer resistant
- High coverage
- High solids content
- Meets strict EMICODE criteria
- Compliant with California Sect. 01350 Standard
- Low VOC, less than 20 g/l, meets SCAQMD rule 1168

Benefits

- Install most floor coverings
- For use up to 85% RH*
- Minimizes the risk of shrinkage
- Cost saving
- Excellent bond strength
- Healthy indoor air quality
- LEED v4 contributing product (EQc2 – low emitting materials)
- Protects the environment, LEED v4 contributing product (EQc2 – low emitting materials)

*See; "Important Notes" for additional information.

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Minimum working temperature:	65°F (10°C) on floor
Ideal working temperature:	64 – 77°F (18 – 25°C) on floor
Flash time:	see reverse (Coverage:)
Working time:	approx. 15 minutes – 2 hours*
Set to traffic:	after 24 – 72 hours*
Final strength:	after 5 days*
Welding/sealing joints:	after 24 hours*
Flash point (ASTM D56):	> 300°F (> 150°C)
Percent Solids:	> 70 %
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Note: Flash time and working time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

Substrate Preparation:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean and free of all contaminants such as grease, oil, paint, wax, curing and sealing compounds that would impair adhesion. Test the substrate in accordance with applicable standards relative to moisture content. Any weakly bonded or soft surface material such as loose patching compounds, leveling compounds, floor coverings or coatings must be removed by shot blasting, abrading, grinding or wet scraping. Thoroughly vacuum off all loose material or dust. **CAUTION:** Do not sand or grind adhesive residue, as harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions. Select a suitable primer and leveling compound from the UZIN Product Guide according to surface type and condition or seek technical assistance. It is always recommended to test for moisture content of the existing substrate to ensure that it meets the floor covering manufacturer's requirements. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity and curing agents. Do not install when the moisture vapor emission rate (MVER) exceeds 6 lbs. per 1,000 sq. ft. (2.72 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). Do not install when relative humidity of concrete slabs exceeds 85% (ASTM F2170). Refer to the Product Data Sheets for other products used.

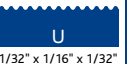
Application:

1. All flooring materials and area of work should be maintained at a minimum temperature of 65°F, for 48 hours prior to, during, and after installation. Apply the adhesive on the subfloor (porous or nonporous) with an UZIN recommended adhesive notched trowel*. Because of using the wet-set method of installation, test the adhesive to see if it is moist to the touch before installing the floor covering. It is the responsibility of the installer to apply the correct amount of adhesive for the job condition.
2. When installing sheet flooring, lay covering into adhesive and immediately roll the entire floor with a 100 lb. roller. Roll the floor covering twice, once in each direction. Ensure that severe roll end curl and lifting edges are dealt with during bonding. When installing tile flooring, lay covering into adhesive and roll within 15 minutes of installation (using a 100 lb. roller). Roll the floor covering twice, once in each direction. Ensure that lifting edges are dealt with during bonding. Work off the flooring or use knee boards to minimize floor indentations and movement. In either installation method ensure that air is not trapped beneath the covering. Periodically check back of floor covering to ensure >80% adhesive transfer.

*Tip: Immediately after trowel applying the adhesive, roll it with a short nap roller (dampened with adhesive) to flatten trowel ridges. This procedure will ensure that the trowel notch pattern does not telegraph through to the finished floor.

Coverage:

Ensure proper adhesive coverage and transfer. Most resilient flooring types require >80% transfer. Trowel sizes listed, are suggested to maximize coverage of adhesive.

Vinyl sheet goods – Homogeneous vinyl backed	Luxury vinyl tile (LVT)	Vinyl composition tile (VCT)	Linoleum (jute backed) up to 1/8" (3 mm) thick	Rubber sheet goods, max. 3/16" (4 mm) thick
Coverage* 185 – 210 sq. ft./gal.	Coverage* 160 – 185 sq. ft./gal.	Coverage* 160 – 185 sq. ft./gal.	Coverage* 110 – 135 sq. ft./gal.	Coverage* 130 – 155 sq. ft./gal.
Flash Time 10 – 20 min*	Flash Time 10 – 45 min*	Flash Time 10 – 45 min*	Flash Time 10 – 45 min*	Flash Time 15 – 45 min*
 1/32" x 1/16" x 5/64"	 1/32" x 1/16" x 1/32"	 1/32" x 1/16" x 1/32"	 3/32" x 3/32" x 3/32"	 1/16" x 1/16" x 1/16"

Broadloom double stick	Carpet pad double stick	Cushion backed carpet (vinyl & urethane)	Woven & Hot melt backed carpet	Non woven broadloom carpet
Coverage* 75 – 90 sq. ft./gal.	Coverage* 185 – 210 sq. ft./gal.	Coverage* 130 – 155 sq. ft./gal.	Coverage* 110 – 135 sq. ft./gal.	Coverage* 110 – 135 sq. ft./gal.
Flash Time 5 – 45 min*	Flash Time 10 – 20 min*	Flash Time 5 – 45 min*	Flash Time 5 – 45 min*	Flash Time 5 – 45 min*
 1/8" x 1/8" x 1/8"	 1/32" x 1/16" x 5/64"	 1/16" x 1/16" x 1/16"	 3/32" x 3/32" x 3/32"	 3/32" x 3/32" x 3/32"

* At 70°F (21°C) and 65% relative humidity, on substrates smoothed with UZIN NC 170 LevelStar and tempered adhesive containers. Coverage is approximate and could vary depending on substrate porosity and the angle at which trowel is held.

Important Notes:

- Storage: minimum 12 months, when stored in original packaging at 73°F (23°C). Protect from freezing. Tightly re-seal opened containers and use the contents as quickly as possible. Allow adhesive to reach room temperature before use.
 - Optimum working conditions are 70°F (20 – 25°C) room temperature, minimum floor temperature of 60°F (15°C) and relative humidity below 65%. Low temperatures and high humidity will delay, while high temperatures and low humidity will shorten the working time.
 - Frost resistance (5 cycles) 14°F (-10°C).
 - Do not install when the moisture vapor emission rate (MVER) exceeds 6 lbs. per 1,000 sq. ft. (2.72 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). Do not install when relative humidity of concrete slabs exceeds 85% (ASTM F2170).
 - Do not apply over any adhesive residues including cutback adhesive.
 - The coverings must be sufficiently acclimatized per the flooring manufacturers recommendations.
 - Ensure that severe roll end curl and lifting edges are dealt with during bonding.
 - The following standards, regulations and publications are applicable and especially recommended:
 - ASTM F1482-04(2009)e1 "Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring"
 - ASTM F710-11 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring"
 - ASTM F1869-11 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride"
 - ASTM F2170-11 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"
- CRI Green Label Plus #GLP12617. Refer to CRI website at www.carpet-rug.org for additional information.
- RFCI IP #1, Recommended Installation Practice for Homogeneous Sheet Flooring
 - RFCI IP #2, Recommended Installation Practice for Vinyl Composition Tile (VCT)
 - CRI #104, Standard for Installation Specification of Commercial Carpet

Protection of the Workplace and the Environment:

Water based adhesive, with a VOC content less than 20 grams per liter. Suitable as a substitute material for high solvent content adhesives used for flooring installations.

Precautions:

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at www.uzin.us.

Disposal:

Disposal should be in accordance with local, state and federal regulations. Where possible, collect product residues and re-use. Do not allow into drains, waterways or landfill. Empty plastic containers are recyclable.

The above information is based on our experience and testing. Uzin Utz North America, Inc. is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this product data sheet invalidates all previous product information.



ULTRA SPEC® 500

INTERIOR EGGSHELL FINISH

F538

Features

- Zero VOC
- Low odour
- Excellent hiding
- Great touch up
- Spatter resistant
- Decorative and uniform eggshell finish
- Quick dry
- Easy application
- Soap and water clean up
- MPI Approved
- Washable
- Eligible for LEED® v4 credit

Recommended For

Interior wall and ceiling surfaces in commercial and institutional environments where eggshell finish is desired. For use on primed or previously painted drywall, masonry, plaster, wood, metal and wallpapered surfaces.

General Description

A professional-quality interior waterborne eggshell finish based on a proprietary cross-linking acrylic resin that tints on the Gennex® zero VOC colorant system. This waterborne interior eggshell provides a decorative scrubbable finish that is eligible for LEED® v4 credit and passes the most stringent environmental standards in any colour. Because it tints on our Gennex® waterborne colorant system all Ultra Spec® 500 finishes are available in any colour without an increase in VOC.

Limitations

- Do not apply when air and surface temperatures are below 10 °C (50 °F)

Product Information

Colours — Standard:

White (01)

— Tint Bases:

Benjamin Moore® Gennex® bases 1X – 4X

— Special Colours:

Contact your Benjamin Moore representative

Certifications & Qualifications:

VOC compliant in all regulated areas

Zero VOC

Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84

Master Painters Institute MPI ## 52, 52 X- Green™, 139, 139 X-Green™ 145, 145 X-Green™



Benjamin Moore's
**green
promise®**

Benjamin Moore's Green Promise® designation is our company's assurance that this product meets – and often exceeds – rigorous environmental and performance criteria regarding VOCs, emissions, application, washability, scrubbability and packaging, while also delivering the premium levels of performance you expect from Benjamin Moore.

Eligible for LEED® v4 Credit	CDPH v1 Emissions Certified	Qualifies for CHPS low emitting credit (Collaborative for High Performance Schools)	VOC (in any colour)
YES	YES	YES	< 50 g/L

This Benjamin Moore product has been tested by independent third parties and meets or exceeds the published chemical restriction and performance criteria of the

Green Seal™ GS-11 2015 standard

Customer Information Centre:

1-800-361-5898, info@benjaminmoore.ca, www.benjaminmoore.ca

Technical Data

Base 1

Vehicle Type	Acrylic Copolymer
Pigment Type	Titanium Dioxide
Volume Solids	40.8 ± 2%
Coverage per 3.79 L at Recommended Film Thickness	32.5 – 37.1 sq. m. (350 – 400 sq. ft.)
Recommended Film Thickness	– Wet 3.9 – 4.3 mils – Dry 1.6 – 1.8 mils

Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure colour uniformity and minimize the disposal of excess paint.

Dry Time @ 25 °C (77 °F) @ 50% RH	– To Touch 2 Hours – To Recoat 2 – 3 Hours
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Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times.

Dries By	Coalescence
Viscosity	95 ± 5 KU
Flash Point	N/A

Gloss / Sheen Eggshell (20 – 25 @ 85°)

Surface Temperature at Application	– Min. 10 °C (50 °F) – Max. 32.2 °C (90 °F)
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Thin With See Chart

Clean Up Thinner Clean Water

Weight Per 3.79 L 4.9 kg (10.8 lbs)

Storage Temperature	– Min. 4.4 °C (50 °F) – Max. 32.2 °C (90 °F)
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Volatile Organic Compounds (VOC)

0 g/L

Zero VOC post tint (any base and any colour)

Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water-soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure 30 days before applying base coat. Cured plaster should be hard, have a slight sheen and maximum PH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles before priming. Wood substrates must be thoroughly dry.

Difficult Substrates: Benjamin Moore® offers a variety of specialty primers for use over difficult substrates such as bleeding woods, grease stains, crayon markings, hard glossy surfaces, galvanized metal or other substrates where paint adhesion or stain suppression is a particular problem. Your Benjamin Moore® retailer can recommend the right problem-solving primer for your special needs.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

Primer/Finish Systems

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results, tint the primer to the approximate shade of the finish coat, especially when a significant colour change is desired. **Special Note:** Certain custom colours require a Deep Colour Base Primer tinted to a special prescription formula to achieve the desired colour. Consult your retailer.

Wood and Engineered Wood Products

Primer: Ultra Spec® 500 Interior Latex Primer (K534) or Fresh Start® All-Purpose Alkyd Primer (F024)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Eggshell Finish (F538)

Drywall

Primer: Ultra Spec® 500 Interior Latex Primer (K534)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Eggshell Finish (F538)

Plaster (Cured)

Primer: Ultra Spec® 500 Interior Latex Primer (K534) or Fresh Start® High-Hiding All Purpose Primer (K046)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Eggshell Finish (F538)

Rough or Pitted Masonry

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (K571)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Eggshell Finish (F538)

Smooth Poured or Precast Concrete

Primer: Ultra Spec® 500 Interior Latex Primer (K534) or Fresh Start® High-Hiding All Purpose Primer (K046)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Eggshell Finish (F538)

Ferrous Metal (Steel and Iron)

Primer: Ultra Spec® HP Acrylic Metal Primer (FP04) or Super Spec HP® Alkyd Metal Primer (KP06)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Eggshell Finish (F538)

Non-Ferrous Metal (Galvanized & Aluminum)

All new metal surfaces must be thoroughly cleaned with Corotech® Oil & Grease Emulsifier (V600) to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion.

Primer: Ultra Spec® HP Acrylic Metal Primer (FP04)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Eggshell Finish (F538)

Repaint, All Substrates: Prime bare areas with the primer recommended for the substrate above.

Application

Stir thoroughly before use. Apply one or two coats. For best results, use a Benjamin Moore® Professional custom-blended nylon/polyester brush, Benjamin Moore® Professional roller, or a similar product. This product can also be sprayed.

Thinning/Clean Up

Conditioning with Benjamin Moore® K518 Extender may be necessary under certain conditions to adjust open time or spray characteristics. The chart below is for general guidance		
	Mild conditions	Severe conditions
	Humid (RH> 50%) with no direct sunlight & with little to no wind	Dry (RH<50%), in direct sunlight, or windy conditions
Brush: Nylon / Polyester	No thinning necessary	Add K518 Extender or water: Max of 236 ml to a 3.79 L of paint Never add other paints or solvents.
Roller: Premium Quality 10 mm roller cover		
Spray: Airless Pressure: 1,500-2,500 psi Tip: 0.013-0.017		

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents.

Clean up: Use soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

Environmental, Health & Safety Information

May cause allergic skin reaction.

Do not get on skin or clothing.

Use only in a well ventilated area. Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling.

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

**Refer to Safety Data Sheet for additional
health and safety information.**

General Description

AURA® Bath & Spa is a premium interior coating specially formulated for optimal performance in high humidity environments such as baths and spas. With the added benefits of Color Lock® Technology and mildew resistance it delivers remarkable durability and exceptional color.

- Optimized for humid environments
- Extreme hide for fewer coats
- Color Lock® Technology, no color rub-off
- Zero VOC, Low odor
- Provides a mildew resistant coating
- Easy application and clean up

Usage

Bathroom and sauna applications. New or previously painted wallboard, plaster, masonry and wood; primed or previously painted metal.

Colors	NA
Bases	Gennex® Bases 1X – 4X
Colorant System	Gennex®

Technical Data / Base 1

Vehicle	Proprietary 100% Acrylic	
Pigment	Titanium Dioxide	
Volume Solids	44.7 ± 2%	
Spread Rate Per Gallon	350 – 400 Sq. Ft.	
Recommended	Wet:	4.0 – 4.6 mils
Film Thickness	Dry:	1.8 – 2.0 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.		
Dry Time @ 77 °F	To Touch:	1 hour
(25 °C) @ 50% RH	To Recoat:	1 hour
For best results, allow a minimum of 24 hours before returning to full service. Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times.		
Surface Temperature	Min:	50 °F
During Application	Max:	90 °F
Viscosity	98 ± 4 KU	
Flash Point	None	
Sheen / Gloss	3 – 6 @ 85°	
Clean Up	Water	
Thinner	refer to page 2	
Weight Per Gallon	11.0 lbs.	
Storage Temperature	Min:	40 °F
	Max:	90 °F
VOC	0 g/L	

Primer Systems

AURA® is self-priming on most surfaces. On bare substrates two coats are required; previously painted surfaces can be finished with 1 or 2 coats. While the high quality of our products sometimes makes one-coat coverage achievable, Benjamin Moore® recommends two coats of this product to achieve full color development and to maximize paint film performance. **Special Note:** Certain custom colors require Fresh Start® High-Hiding All Purpose Primer Deep Color Base Primer tinted to a special prescription formula to achieve the desired color. Consult your retailer.

Wood, and engineered wood products:

Self-priming

Bleeding Woods (Redwood, Cedar, etc.):

Fresh Start® Undecoater and Primer/Sealer (032) or Fresh Start® High-Hiding All Purpose Primer (046)

Drywall:

Self-priming

Plaster (Cured):

Self-priming

Rough or Pitted Masonry:

Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (571)

Smooth Poured or Pre-cast Concrete:

Self-priming

Ferrous Metal (Steel and Iron):

Ultra Spec® HP Acrylic Metal Primer (HP04) or Super Spec HP® Alkyd Metal Primer (P06)

Non-Ferrous Metal (Galvanized & Aluminum):

All new metal surfaces must be thoroughly cleaned with Corotech® Oil & Grease Emulsifier (V600) to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion. Ultra Spec® HP Acrylic Metal Primer (HP04)

Repaint, All Substrates:

Prime bare areas with the primer recommended above for the substrate.

Limitations

- Do not paint when air or surface temperature is below 50 °F (10 °C).
- Only Gennex® Waterborne Colorants can be added to AURA® Paint

Compliance & Certifications

OTC	✓
OTC II	✓
CARB	✓
CARB07	✓
CARB19	✓
UTAH	✓
AZMC	✓
SCAQMD	✓

Eligible for LEED® v4	✓
CDPH Emissions Certified	✓
Eligible for CHPS low emitting credit (Collaborative for High Performance Schools)	✓
Benjamin Moore's Green Promise®	✓
MPI	-

Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84

Anti-microbial - This product contains agents which inhibit the growth of microbes on the surface of this paint film. This product contains antimicrobial additives that inhibit the growth of mold and mildew on the surface of the paint film.

This Benjamin Moore® product has been tested by independent third parties and meets or exceeds the published chemical restriction and performance criteria of the Green Seal™ GS-11 2015 standard.



Benjamin Moore's Green Promise® designation is our company's assurance that this product meets – and often exceeds – rigorous environmental and performance criteria regarding VOCs, emissions, application, washability, scrubability and packaging, while also delivering the premium levels of performance you expect from Benjamin Moore.

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer.

call 1-866-708-9180
visit www.benjaminmoore.com

Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure (30 days) before applying base coat. Cured plaster should be hard, have a slight sheen and maximum pH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion after removing all form release agents and curing compounds. Remove any powder or loose particles before priming.

Surfactant leaching is a common problem in areas where moisture concentrates on walls like bathrooms & showers. While Aura® Bath & Spa Matte Finish has excellent resistance to surfactant leaching, surfactant leaching stains on existing coatings must be removed prior to painting. Thoroughly wash surfaces to be painted, removing any surfactants that may be on the substrate then allow to dry. Areas with heavy surfactant leaching, should also be primed with Fresh Start® High-Hiding All Purpose Primer (046) before applying Aura® Bath & Spa.

For best results, allow a minimum of 24 hours before returning to full service.

Difficult Substrates: Benjamin Moore offers a variety of specialty primers for use over difficult substrates such as plaster, bleeding woods, grease stains, crayon markings, hard glossy surfaces, galvanized metal or other substrates where paint adhesion or stain suppression is a particular problem. Your Benjamin Moore® retailer or architectural representative can recommend the right problem-solving primer for your special needs.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Application

Stir thoroughly before and during use. Apply one or two coats. For best results, use a premium Benjamin Moore® custom-blended nylon/polyester brush, premium Benjamin Moore® roller, or a similar product. Apply paint generously from unpainted area into wet area. This product can also be sprayed.

Spray, Airless:

Pressure / 1,000 – 2,000 PSI

Tip / 0.013 – 0.017

Thinning/Cleaning

Conditioning with Benjamin Moore® 518 Extender may be necessary under certain conditions to adjust open time or spray characteristics.

Add 518 Extender or water - Max of 8 fl. oz. to a gallon paint

Never add other paints or solvents.

Clean Up: Wash brushes, rollers, and other painting tools in warm soapy water immediately after use. Spray equipment should be given a final rinse with mineral spirits to prevent rusting.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry, empty containers may be recycled in a can recycling program. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.

Environmental Health & Safety Information

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.



WARNING: This product can expose you to chemicals including Titanium dioxide, which are known to the State of California to cause cancer, and Ethylene glycol which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65warnings.ca.gov

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under "Clean up".

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

**Refer to Safety Data Sheet for additional
health and safety information.**



LEED V4.1 PRODUCT FORM

GENERAL INFORMATION

Manufacturer: Benjamin Moore & Co.
Product Number: 532
Product Name: Aura® Bath & Spa Matte Finish
Other Information: NA

EQ/Indoor Environmental Quality: Low-Emitting Materials-Paints & Coating

VOC (Volatile Organic Compound) (grams/liters): 0.0

Emission Certification for Paints & Coatings applied to walls, floors and ceilings

Emission Certified: YES
Certifying Lab: Berkeley Analytical
Certification available on the public site: YES
CDPH Standard Test Method v1.2 emissions TVOC (mg/m3) (Office scenario - one of three ranges; = 0.5, >.5 and =4.9, = 5.0): <0.5

MR/Material & Resources/Building Product Disclosure & Optimization

Documentation available on the public site: NA

MR/ Material Ingredients

Material Ingredient Reporting: NA

In-house or third party report available: NA
Chemical Abstract Service Registration Number(CASRN) listing of ingredients to at least 0.1%: NA
CASRN listing of non-proprietary ingredients plus role and amounts and GreenScreen v1.2 benchmarks of proprietary ingredients: NA
Complete Health Product Declaration(HPD) in compliance with HPD open Standard: YES
Cradle to Cradle V2 Basic certified: NA
Cradle to Cradle V3 Bronze certified or Higher: NA
Declare labels designated as Red List Free or Declared or Compliant: NA

Material Ingredient Optimization

No benchmark 1 chemicals Using Basic GreenScreen List Translation: NA
No benchmark 1 chemicals Using Full GreenScreen assessment: NA
Cradle to Cradle certification type & level
1.V2 Gold: NA
2.V2 Platinum: NA
3.V3 Silver: NA



LEED V4.1 PRODUCT FORM

4.V3 Gold or Platinum: **NA**

REACH - No ingredients on authorization or candidate list: **NA**

Product manufacturer supply chain optimization(both A&B required)

A - Suppliers have validated & robust documented programs for safety, health, hazard & risk for at least 99% of ingredients in the product: **NA**

B - Third party verified manufacturer supply chain optimization (including all 1, 2, 3, 4, 5 & 6): **NA**

1. Processes In place to communicate & transparently prioritize ingredients along supply chain based on hazard, exposure and to identify ingredients that require more detailed evaluation.
2. Processes to identify, document, communicate EH&S hazard and risk of chemical ingredients.
3. Processes In place to manage EH&S hazard and risk of chemical ingredients.
4. Processes In place to optimize EH&S impacts When designing and improving chemical ingredients.
5. Processes In place to communicate, receive and evaluate chemical ingredients safety and stewardship information along the supply chain.
6. Safety and stewardship information about the chemical ingredients Is publically available from all points along the supply chain.

MR/Environmental Product Declarations (EPD)

Documentation available on the public site: **NA**

EPD declaration

Product specific declaration based on ISO 14044 With cradle to gate scope: **NA**

Third party certified(type III) industry wide(generic) EPD: **NA**

Third party certified(type III) product specific EPD: **NA**

MR/Sourcing of Raw Materials

Documentation available on the public site: **NA**

Raw material source & extraction reporting:

Self-declared Public report from suppliers about land use, extraction location, and extraction or manufacturing processes: **NA**

Third party verified corporate sustainability reports(CSR) including environmental impact of extraction and activities from suppliers (based on 1, 2, 3, or 4): **NA**

Global Reporting Initiative(GRI) sustainability report: **NA**

Organization for Economic Co-operation and Development(OECD) guidelines for Multinational Enterprises: **NA**

U.N.Global Compact: Communication of Progress?: **NA**

ISO 26000: 2010 guidance on social responsibility: **NA**



LEED V4.1 PRODUCT FORM

Responsible Sourcing of Raw Materials:

Extended producer responsibility program: **NA**

Third Party based extended producer responsibility program: **PaintCare, Inc**

Bio based materials-Bio renewable content: **NA**

Recycled Content:

Post-Consumer Content (% By Weight): **0**

Pre-Consumer/Post-Industrial Content (% By Weight): **5**

Location of Manufacturing:

Location*: **JOHNSTOWN, NY**

**Benjamin Moore manufactures some products at more than one manufacturing site; the product available in your local area is from the closest listed manufacturing site on the LEED form, and this site is therefore the one applicable to the LEED job in your area.*

SS/Sustainable Sites/Heat Island reduction/High reflectance roof (cool roof) credit: **NA**

SRI Value: **NA**

Contact Person:

Phone:

Signature:

Date: **8/10/2022**



ULTRA SPEC® SCUFF-X® INTERIOR EGGSHELL FINISH 485

Features

- Innovative and proprietary scuff-resistance formula
- Superior durability
- Washable
- Quick dry
- Great touch-up
- Easy application
- Spatter resistant
- Eligible for LEED® v4 credit
- Suitable for use in USDA inspected facilities

Recommended For

Ideal for high-traffic areas in commercial spaces such as school hallways, hospital waiting areas, hotels lobbies, gym locker rooms and bathrooms, retail fitting rooms, cafeterias, bathrooms and stairwells. For use on primed or previously painted drywall, plaster, wood, metal and wallpapered surfaces.

General Description

A high-performance, one-component latex paint specifically engineered to deliver outstanding performance and protection for the toughest high-traffic areas in busy commercial spaces. This breakthrough product offers superior durability and scuff-resistance than traditional high-performance two-component coatings, without the pre-mixing, short pot-life and application difficulties related to similar products. It will retain its high-quality appearance longer with minimal maintenance and re-painting required. The beautiful eggshell finish is perfect hallways, fitting rooms and waiting areas.

Limitations

- Do not apply when air and surface temperatures are below 50 °F (10 °C)
- Not recommended for floors
- Interior use only

Product Information

Colors — Standard:	Technical Data◇	Pastel Base
White (01)	Vehicle Type	Proprietary Acrylic Copolymer
— Tint Bases:	Pigment Type	Titanium Dioxide
Benjamin Moore® Gennex® bases 1X, 2X, 3X & 4X	Volume Solids	40 ± 2%
— Special Colors:	Coverage per Gallon at Recommended Film Thickness	350 – 400 sq. ft.
Contact your Benjamin Moore representative	Recommended Film Thickness	– Wet 4.0 – 4.5 mils – Dry 1.6 – 1.8 mils
Certifications & Qualifications:	Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint	
VOC compliant in all regulated areas except for SCAQMD	Dry Time @ 77 °F (25 °C) @ 50% RH	– To Touch 1 Hour – To Recoat 2 – 3 Hours
Eligible for LEED® v4 Credit	Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times	
Qualifies for CHPS low emitting credit (Collaborative for High Performance Schools)	Dries By	Coalescence
CDPH v1 Emission Certified	Viscosity	97 ± 3 KU
Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84	Flash Point	N/A
Suitable for use in USDA inspected facilities	Gloss / Sheen	Eggshell (15 – 25 @ 85°) (15 @ 60°)
Anti-microbial - This product contains agents which inhibit the growth of microbes on the surface of this paint film. This product contains antimicrobial additives that inhibit the growth of mold and mildew on the surface of the paint film.	Surface Temperature at Application	– Min. 50 °F – Max. 90 °F
Technical Assistance	Thin With	See Chart
Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com	Clean Up Thinner	Clean Water
	Weight Per Gallon	10.63 lbs.
	Storage Temperature	– Min. 40 °F – Max. 90 °F
	Volatile Organic Compounds (VOC)	
	97.3 Grams/Liter 0.81 Lbs./Gallon	

◇Reported values are for Pastel Base. Contact Benjamin Moore for values of other bases or color.

Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure 30 days before applying base coat. Cured plaster should be hard, have a slight sheen and maximum PH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles before priming. Wood substrates must be thoroughly dry.

Difficult Substrates: Benjamin Moore offers a variety of specialty primers for use over difficult substrates such as bleeding woods, grease stains, crayon markings, hard glossy surfaces, galvanized metal or other substrates where paint adhesion or stain suppression is a particular problem. Your Benjamin Moore® retailer can recommend the right problem-solving primer for your special needs.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Primer/Finish Systems

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results, tint the primer to the approximate shade of the finish coat, especially when a significant color change is desired. **Special Note:** Certain custom colors require a Deep Color Base Primer tinted to a special prescription formula to achieve the desired color. Consult your retailer.

Wood, and engineered wood products:

Primer: Ultra Spec® 500 Interior Latex Primer (N534) or Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Eggshell Finish (485)

Bleeding Type Woods, (Redwood and Cedar):

Primer: Fresh Start® Multi-Purpose Oil Based Primer (024)
or 1-2 coats of Fresh Start® High-Hiding All Purpose Primer (046) may be used

Drywall:

Primer: Ultra Spec® 500 Interior Latex Primer (N534)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Eggshell Finish (485)

Plaster:

Primer: Fresh Start® High-Hiding All Purpose Primer (046) or Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Eggshell Finish (485)

Rough or Pitted Masonry:

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (571)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Eggshell Finish (485)

Smooth Poured or Precast Concrete:

Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Eggshell Finish (485)

Ferrous Metal (Steel and Iron):

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04) or Super Spec HP® Alkyd Metal Primer (P06)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Eggshell Finish (485)

Non-Ferrous Metal (Galvanized & Aluminum): All new metal surfaces must be thoroughly cleaned with Corotech® Oil & Grease Emulsifier (V600) to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Eggshell Finish (485)

Wallpapered Surfaces: Remove wallpaper when possible, followed by thoroughly cleaning the surfaces removing all glue residue. Once the surface has fully dried, sand the surfaces to be painted with 150-180 grit paper. Vinyl wallpapered surfaces tightly adhered may be primed with Fresh Start® High-Hiding All Purpose Primer (046) prior to filling the seams and top coating with Ultra Spec® SCUFF-X®

Repaint, All Substrates: Prime bare areas with the primer recommended for the substrate above.

Application

Stir thoroughly before use. Apply one or two coats. For best results, use a Benjamin Moore® Professional custom-blended nylon/polyester brush, Benjamin Moore® Professional roller, or a similar product. This product can also be sprayed.

Conditioning with Benjamin Moore® 518 Extender may be necessary under certain conditions to adjust open time or spray characteristics. The chart below is for general guidance		
	Mild conditions	Severe conditions
	Humid (RH> 50%) with no direct sunlight & with little to no wind	Dry (RH<50%), in direct sunlight, or windy conditions
Brush: Nylon / Polyester	No thinning necessary	Add 518 Extender or water: Max of 8 fl. oz. to a gallon of paint Never add other paints or solvents.
Roller: Premium Quality 3/8" roller cover		
Spray: Airless Pressure: 1800 -3000 psi Tip: 0.015-0.017		

Thinning/Clean Up

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents.

Clean up: Use soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

Maintenance: SCUFF-X® needs to fully cure for 2 weeks following application, before applying any cleaning chemicals and liquids. Minimal scuffing and stains can be easily removed by using soap and water. For tougher stains, stronger cleaners may be used with a sponge or rag. Before using a new cleaner for the first time, test its effect on the finish by applying in an inconspicuous area to make sure there's no damage to the paint film.

Environmental Health & Safety Information

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling. Refer to Safety Data Sheet for additional health and safety information.



WARNING: Cancer and Reproductive Harm—
www.P65warnings.ca.gov

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

Refer to Safety Data Sheet for additional health and safety information.



LEED V4.1 PRODUCT FORM

GENERAL INFORMATION

Manufacturer: Benjamin Moore & Co.
Product Number: 485
Product Name: Ultra Spec Scuff-X Interior Eggshell Finish
Other Information: NA

EQ/Indoor Environmental Quality: Low-Emitting Materials-Paints & Coating

VOC (Volatile Organic Compound) (grams/liters): 99.8

Emission Certification for Paints & Coatings applied to walls, floors and ceilings

Emission Certified: YES
Certifying Lab: Berkeley
Certification available on the public site: NA
CDPH Standard Test Method v1.2 emissions TVOC (mg/m3) (Office scenario - one of three ranges; = 0.5, >.5 and =4.9, = 5.0): >0.5 and < 4.9

MR/Material & Resources/Building Product Disclosure & Optimization

Documentation available on the public site: NA

MR/ Material Ingredients

Material Ingredient Reporting: NA

In-house or third party report available: NA
Chemical Abstract Service Registration Number(CASRN) listing of ingredients to at least 0.1%: NA
CASRN listing of non-proprietary ingredients plus role and amounts and GreenScreen v1.2 benchmarks of proprietary ingredients: NA
Complete Health Product Declaration(HPD) in compliance with HPD open Standard: YES
Cradle to Cradle V2 Basic certified: NA
Cradle to Cradle V3 Bronze certified or Higher: NA
Declare labels designated as Red List Free or Declared or Compliant: NA

Material Ingredient Optimization

No benchmark 1 chemicals Using Basic GreenScreen List Translation: NA
No benchmark 1 chemicals Using Full GreenScreen assessment: NA
Cradle to Cradle certification type & level
1.V2 Gold: NA
2.V2 Platinum: NA
3.V3 Silver: NA



LEED V4.1 PRODUCT FORM

4.V3 Gold or Platinum: **NA**

REACH - No ingredients on authorization or candidate list: **NA**

Product manufacturer supply chain optimization(both A&B required)

A - Suppliers have validated & robust documented programs for safety, health, hazard & risk for at least 99% of ingredients in the product: **NA**

B - Third party verified manufacturer supply chain optimization (including all 1, 2, 3, 4, 5 & 6): **NA**

1. Processes In place to communicate & transparently prioritize ingredients along supply chain based on hazard, exposure and to identify ingredients that require more detailed evaluation.
2. Processes to identify, document, communicate EH&S hazard and risk of chemical ingredients.
3. Processes In place to manage EH&S hazard and risk of chemical ingredients.
4. Processes In place to optimize EH&S impacts When designing and improving chemical ingredients.
5. Processes In place to communicate, receive and evaluate chemical ingredients safety and stewardship information along the supply chain.
6. Safety and stewardship information about the chemical ingredients Is publically available from all points along the supply chain.

MR/Environmental Product Declarations (EPD)

Documentation available on the public site: **NA**

EPD declaration

Product specific declaration based on ISO 14044 With cradle to gate scope: **NA**

Third party certified(type III) industry wide(generic) EPD: **NA**

Third party certified(type III) product specific EPD: **NA**

MR/Sourcing of Raw Materials

Documentation available on the public site: **NA**

Raw material source & extraction reporting:

Self-declared Public report from suppliers about land use, extraction location, and extraction or manufacturing processes: **NA**

Third party verified corporate sustainability reports(CSR) including environmental impact of extraction and activities from suppliers (based on 1, 2, 3, or 4): **NA**

Global Reporting Initiative(GRI) sustainability report: **NA**

Organization for Economic Co-operation and Development(OECD) guidelines for Multinational Enterprises: **NA**

U.N.Global Compact: Communication of Progress?: **NA**

ISO 26000: 2010 guidance on social responsibility: **NA**



LEED V4.1 PRODUCT FORM

Responsible Sourcing of Raw Materials:

Extended producer responsibility program: **NA**

Third Party based extended producer responsibility program: **PaintCare, Inc**

Bio based materials-Bio renewable content: **NA**

Recycled Content:

Post-Consumer Content (% By Weight): **0**

Pre-Consumer/Post-Industrial Content (% By Weight): **5**

Location of Manufacturing:

Location*: **MESQUITE, TX**

**Benjamin Moore manufactures some products at more than one manufacturing site; the product available in your local area is from the closest listed manufacturing site on the LEED form, and this site is therefore the one applicable to the LEED job in your area.*

SS/Sustainable Sites/Heat Island reduction/High reflectance roof (cool roof) credit: **NA**

SRI Value: **NA**

Contact Person:

Phone:

Signature:

Date: **8/10/2022**



ULTRA SPEC® SCUFF-X® INTERIOR SEMI-GLOSS FINISH 487

Features

- Innovative and proprietary scuff-resistance formula
- Superior durability
- Proprietary CHIP-TECH® technology
- Superior block-resistance
- Low VOC; < 50 g/L
- Easy application
- Spatter resistant
- Eligible for LEED® v4 credit

Recommended For

Ideal for use on elevator doors, door jambs, trim and base boards, columns, window trim, hallways and stairwells, and other high-traffic commercial areas, including hospitality venues, educational institutions, healthcare facilities, corporate establishments and retail environments. For use on primed or previously painted drywall, plaster, wood, metal and wallpapered surfaces.

General Description

A high-performance, one-component latex coating engineered to deliver outstanding performance and protection for high-traffic, commercial spaces. The Semi-Gloss finish offers a unique blend of toughness and flexibility, rather than just relying on a hard surface, which can be more brittle and subject to chipping. In addition to the superior scuff-resistance, this finish features proprietary CHIP-TECH® chip-resistant technology engineered to withstand the glancing blows and irregular hits that elevator doors, trim, and columns receive on a daily basis.

Limitations

- Do not apply when air and surface temperatures are below 50 °F (10 °C)
- Not recommended for floors
- Interior use only

Product Information

Colors — Standard:

White (01)

— Tint Bases:

Benjamin Moore® Gennex® bases 1X, 2X, 3X & 4X

— Special Colors:

Contact your Benjamin Moore representative

Certifications & Qualifications:

VOC compliant in all regulated areas

Eligible for LEED® v4 Credit
Qualifies for CHPS low emitting credit
(Collaborative for High Performance Schools)
CDPH v1 Emission Certified
Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84
Anti-microbial - This product contains antimicrobial additives that inhibit the growth of mold and mildew on the surface of the paint film.

Technical Assistance:

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 866-708-9180 or visit www.benjaminmoore.com

Technical Data◇

Pastel Base

Vehicle Type	Proprietary Acrylic Copolymer	
Pigment Type	Titanium Dioxide	
Volume Solids	38 ± 2%	
Coverage per Gallon at Recommended Film Thickness	350 – 400 sq. ft.	
Recommended Film Thickness	– Wet	4.3 mils
	– Dry	1.6 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint		
Dry Time @ 77 °F (25 °C) @ 50% RH	– To Touch	2 Hours
	– To Recoat	4 Hours
Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times		
Dries By	Coalescence	
Viscosity	92 ± 2 KU	
Flash Point	N/A	
Gloss / Sheen	Semi-Gloss (40 – 60 @ 60°)	
Surface Temperature at Application	– Min.	50 °F
	– Max	90 °F
Thin With	See Chart	
Clean Up Thinner	Clean Water	
Weight Per Gallon	10.81 lbs.	
Storage Temperature	– Min.	40 °F
	– Max.	90 °F

Volatile Organic Compounds (VOC)

37.7 Grams/Liter 0.31 Lbs./Gallon

◇Reported values are for Pastel Base. Contact Benjamin Moore for values of other bases or color.

Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure 30 days before applying base coat. Cured plaster should be hard, have a slight sheen and maximum PH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles before priming. Wood substrates must be thoroughly dry.

Difficult Substrates: Benjamin Moore offers a variety of specialty primers for use over difficult substrates such as bleeding woods, grease stains, crayon markings, hard glossy surfaces, galvanized metal or other substrates where paint adhesion or stain suppression is a particular problem. Your Benjamin Moore® retailer can recommend the right problem-solving primer for your special needs.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Primer/Finish Systems

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results, tint the primer to the approximate shade of the finish coat, especially when a significant color change is desired. **Special Note:** Certain custom colors require a Deep Color Base Primer tinted to a special prescription formula to achieve the desired color. Consult your retailer.

Wood, and engineered wood products:

Primer: Ultra Spec® 500 Interior Latex Primer (N534) or Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Semi-Gloss Finish (487)

Bleeding Type Woods, (Redwood and Cedar):

Primer: Fresh Start® Multi-Purpose Oil Based Primer (024)

or 1-2 coats of Fresh Start® High-Hiding All Purpose Primer (046)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Semi-Gloss Finish (487)

Drywall:

Primer: Ultra Spec® 500 Interior Latex Primer (N534)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Semi-Gloss Finish (487)

Plaster:

Primer: Fresh Start® High-Hiding All Purpose Primer (046) or Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Semi-Gloss Finish (487)

Rough or Pitted Masonry:

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (571)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Semi-Gloss Finish (487)

Smooth Poured or Precast Concrete:

Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Semi-Gloss Finish (487)

Ferrous Metal (Steel and Iron):

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04) or Super Spec HP® Alkyd Metal Primer (P06)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Semi-Gloss Finish (487)

Non-Ferrous Metal (Galvanized & Aluminum): All new metal surfaces must be thoroughly cleaned with Corotech® Oil & Grease Emulsifier (V600) to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04)

Finish: 1 or 2 coats Ultra Spec® SCUFF-X® Interior Semi-Gloss Finish (487)

Wallpapered Surfaces: Remove wallpaper when possible, followed by thoroughly cleaning the surfaces removing all glue residue. Once the surface has fully dried, sand the surfaces to be painted with 150-180 grit paper. Vinyl wallpapered surfaces tightly adhered may be primed with Fresh Start® High-Hiding All Purpose Primer (046) prior to filling the seams and top coating with Ultra Spec® SCUFF-X®

Repaint, All Substrates: Prime bare areas with the primer recommended for the substrate above.

Application

Stir thoroughly before use. Apply one or two coats. For best results, use a Benjamin Moore® Professional custom-blended nylon/polyester brush, Benjamin Moore® Professional roller, or a similar product. This product can also be sprayed.

Conditioning with Benjamin Moore® 518 Extender may be necessary under certain conditions to adjust open time or spray characteristics. The chart below is for general guidance		
	Mild conditions	Severe conditions
	Humid (RH> 50%) with no direct sunlight & with little to no wind	Dry (RH<50%), in direct sunlight, or windy conditions
Brush: Nylon / Polyester	No thinning necessary	Add 518 Extender or water: Max of 8 fl. oz. to a gallon of paint Never add other paints or solvents.
Roller: Premium Quality 3/8" roller cover		
Spray: Airless Pressure: 1500 -2500 psi Tip: 0.013-0.017		

Thinning/Clean Up

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents.

Clean up: Use soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

Maintenance: SCUFF-X® needs to fully cure for 2 weeks following application, before applying any cleaning chemicals and liquids. Minimal scuffing and stains can be easily removed by using soap and water. For tougher stains, stronger cleaners may be used with a sponge or rag. Before using a new cleaner for the first time, test its effect on the finish by applying in an inconspicuous area to make sure there's no damage to the paint film.

Environmental Health & Safety Information

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling. Refer to Safety Data Sheet for additional health and safety information.



WARNING Cancer and Reproductive Harm—
www.P65warnings.ca.gov

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

Refer to Safety Data Sheet for additional health and safety information.



LEED V4.1 PRODUCT FORM

GENERAL INFORMATION

Manufacturer: Benjamin Moore & Co.
Product Number: 487
Product Name: Ultra Spec Scuff-X Interior Semi-Gloss
Other Information: NA

EQ/Indoor Environmental Quality: Low-Emitting Materials-Paints & Coating

VOC (Volatile Organic Compound) (grams/liters): 37.6

Emission Certification for Paints & Coatings applied to walls, floors and ceilings

Emission Certified: YES
Certifying Lab: Berkeley
Certification available on the public site: NA
CDPH Standard Test Method v1.2 emissions TVOC (mg/m3) (Office scenario - one of three ranges; = 0.5, >.5 and =4.9, = 5.0): >0.5 and < 4.9

MR/Material & Resources/Building Product Disclosure & Optimization

Documentation available on the public site: NA

MR/ Material Ingredients

Material Ingredient Reporting: NA

In-house or third party report available: YES
Chemical Abstract Service Registration Number(CASRN) listing of ingredients to at least 0.1%: NA
CASRN listing of non-proprietary ingredients plus role and amounts and GreenScreen v1.2 benchmarks of proprietary ingredients: NA
Complete Health Product Declaration(HPD) in compliance with HPD open Standard: YES
Cradle to Cradle V2 Basic certified: NA
Cradle to Cradle V3 Bronze certified or Higher: NA
Declare labels designated as Red List Free or Declared or Compliant: NA

Material Ingredient Optimization

No benchmark 1 chemicals Using Basic GreenScreen List Translation: NA
No benchmark 1 chemicals Using Full GreenScreen assessment: NA
Cradle to Cradle certification type & level
1.V2 Gold: NA
2.V2 Platinum: NA
3.V3 Silver: NA



LEED V4.1 PRODUCT FORM

4.V3 Gold or Platinum: **NA**

REACH - No ingredients on authorization or candidate list: **NA**

Product manufacturer supply chain optimization(both A&B required)

A - Suppliers have validated & robust documented programs for safety, health, hazard & risk for at least 99% of ingredients in the product: **NA**

B - Third party verified manufacturer supply chain optimization (including all 1, 2, 3, 4, 5 & 6): **NA**

1. Processes In place to communicate & transparently prioritize ingredients along supply chain based on hazard, exposure and to identify ingredients that require more detailed evaluation.
2. Processes to identify, document, communicate EH&S hazard and risk of chemical ingredients.
3. Processes In place to manage EH&S hazard and risk of chemical ingredients.
4. Processes In place to optimize EH&S impacts When designing and improving chemical ingredients.
5. Processes In place to communicate, receive and evaluate chemical ingredients safety and stewardship information along the supply chain.
6. Safety and stewardship information about the chemical ingredients Is publically available from all points along the supply chain.

MR/Environmental Product Declarations (EPD)

Documentation available on the public site: **NA**

EPD declaration

Product specific declaration based on ISO 14044 With cradle to gate scope: **NA**

Third party certified(type III) industry wide(generic) EPD: **NA**

Third party certified(type III) product specific EPD: **NA**

MR/Sourcing of Raw Materials

Documentation available on the public site: **NA**

Raw material source & extraction reporting:

Self-declared Public report from suppliers about land use, extraction location, and extraction or manufacturing processes: **NA**

Third party verified corporate sustainability reports(CSR) including environmental impact of extraction and activities from suppliers (based on 1, 2, 3, or 4): **NA**

Global Reporting Initiative(GRI) sustainability report: **NA**

Organization for Economic Co-operation and Development(OECD) guidelines for Multinational Enterprises: **NA**

U.N.Global Compact: Communication of Progress?: **NA**

ISO 26000: 2010 guidance on social responsibility: **NA**



LEED V4.1 PRODUCT FORM

Responsible Sourcing of Raw Materials:

Extended producer responsibility program: **NA**

Third Party based extended producer responsibility program: **PaintCare, Inc**

Bio based materials-Bio renewable content: **NA**

Recycled Content:

Post-Consumer Content (% By Weight): **0**

Pre-Consumer/Post-Industrial Content (% By Weight): **5**

Location of Manufacturing:

Location*: **PELL CITY, AL**

**Benjamin Moore manufactures some products at more than one manufacturing site; the product available in your local area is from the closest listed manufacturing site on the LEED form, and this site is therefore the one applicable to the LEED job in your area.*

SS/Sustainable Sites/Heat Island reduction/High reflectance roof (cool roof) credit: **NA**

SRI Value: **NA**

Contact Person:

Phone:

Signature:

Date: **8/10/2022**



ULTRA SPEC® 500

INTERIOR LATEX PRIMER

N534

Features

- Excellent hiding
- Spatter resistant
- Zero VOC
- Low odor
- Eligible for LEED® v4 credit
- Quick dry
- Easy application
- Soap and water clean up
- MPI Approved

Recommended For

Interior wall and ceiling surfaces in commercial and institutional environments. For new or previously painted interior wallboard, cured masonry, cured plaster and non-bleeding woods. Also can be used on primed or previously painted metal in addition to under wallcoverings for easy positioning and removal.

General Description

A professional-quality interior waterborne primer based on a proprietary acrylic resin. Eligible for LEED® v4 credit and passes the most stringent environmental standards.

Limitations

- Do not apply when air and surface temperatures are below 50 °F (10 °C)

Product Information

Colors — Standard:

White (00)

May be tinted with up to 2.0 fl. oz. of Benjamin Moore® Gennex® colorants per gallon.

— Tint Bases:

NA

— Special Colors:

Contact your Benjamin Moore representative.

Certifications & Qualifications:

VOC compliant in all regulated areas

Zero VOC

Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84

Master Painter Institute MPI # 50, 50 X-Green™, 149, 149 X- Green™

Water Vapor Transmission: ASTM D1653 (method A): 17.5 perms

Benjamin Moore's Green Promise® designation is our company's assurance that this product meets – and often exceeds – rigorous environmental and performance criteria regarding VOCs, emissions, application, washability, scrubability and packaging, while also delivering the premium levels of performance you expect from Benjamin Moore.			
Eligible for LEED® v4 Credit	CDPH v1 Emissions Certified	Qualifies for CHPS low emitting credit (Collaborative for High Performance Schools)	VOC (in any color)
YES	YES	YES	< 50 g/L
This Benjamin Moore product has been tested by independent third parties and meets or exceeds the published chemical restriction and performance criteria of the Green Seal™ GS-11 2015 standard			

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data◇

White

Vehicle Type	Acrylic Copolymer	
Pigment Type	Titanium Dioxide	
Volume Solids	30 ± 2%	
Coverage per Gallon at Recommended Film Thickness	350 – 400 sq. ft	
Recommended Film Thickness	– Wet	4.3 mils
	– Dry	1.4 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.		
Dry Time @ 77 °F (25 °C) @ 50% RH	– To Touch	1 Hour
	– To Recoat	2 – 3 Hours
Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times.		
Dries By	Coalescence	
Viscosity	93 ± 3 KU	
Flash Point	N/A	
Gloss / Sheen	Flat (3 – 8 @ 85°)	
Surface Temperature at Application	– Min.	50 °F
	– Max.	90 °F
Thin With	See Chart	
Clean Up Thinner	Clean Water	
Weight Per Gallon	11.64 lbs.	
Storage Temperature	– Min.	40 °F
	– Max.	90 °F

Volatile Organic Compounds (VOC)

0 Grams/Liter 0 Lbs./Gallon

Zero VOC post tint (any color)

◇ Reported values are for White. Contact Benjamin Moore for values of other bases or colors.

Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure 30 days before applying base coat. Cured plaster should be hard, have a slight sheen and maximum pH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles before priming. Wood substrates must be thoroughly dry.

Difficult Substrates: Benjamin Moore offers a variety of specialty primers for use over difficult substrates such as bleeding woods, grease stains, crayon markings, hard glossy surfaces, galvanized metal or other substrates where paint adhesion or stain suppression is a particular problem. Your Benjamin Moore® retailer can recommend the right problem-solving primer for your special needs.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead

Primer/Finish Systems

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results, tint the primer to the approximate shade of the finish coat, especially when a significant color change is desired. **Special Note:** Certain custom colors require a Deep Color Base Primer tinted to a special prescription formula to achieve the desired color. Consult your retailer or a Benjamin Moore representative.

Wood, and engineered wood products:

Primer: Ultra Spec® 500 Interior Latex Primer (N534) or Fresh Start® Multi-Purpose Oil Based Primer (024)

Finish: 1 or 2 coats of the Ultra Spec® 500 interior finish of your choice.

Drywall:

Primer: Ultra Spec® 500 Interior Latex Primer (N534)

Finish: 1 or 2 coats of the Ultra Spec® 500 interior finish of your choice.

Plaster (Cured):

Primer: Ultra Spec® 500 Interior Latex Primer (N534) or Fresh Start® Multi-Purpose Latex Primer (N023)

Finish: 1 or 2 coats of the Ultra Spec® 500 interior finish of your choice.

Rough or Pitted Masonry:

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (571)

Finish: 1 or 2 coats of the Ultra Spec® 500 interior finish of your choice.

Smooth Poured or Precast Concrete:

Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608)

Finish: 1 or 2 coats of the Ultra Spec® 500 interior finish of your choice.

Ferrous Metal (Steel and Iron):

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04) or Super Spec HP® Alkyd Metal Primer (P06)

Finish: 1 or 2 coats of the Ultra Spec® 500 interior finish of your choice.

Non-Ferrous Metal (Galvanized & Aluminum): All new metal surfaces must be thoroughly cleaned with an Oil & Grease Emulsifier Corotech® V600 to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion.

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04)

Finish: 1 or 2 coats of the Ultra Spec® 500 interior finish of your choice.

Repaint, All Substrates: Prime bare areas with the primer recommended for the substrate above.

Application

Stir thoroughly before use. Apply one or two coats. For best results, use a Benjamin Moore® Professional custom-blended nylon/polyester brush, Benjamin Moore® Professional roller, or a similar product. This product can also be sprayed.

Conditioning with Benjamin Moore® 518 Extender may be necessary under certain conditions to adjust open time or spray characteristics. The chart below is for general guidance		
	Mild conditions	Severe conditions
	Humid (RH> 50%) with no direct sunlight & with little to no wind	Dry (RH<50%), in direct sunlight, or windy conditions
Brush: Nylon / Polyester	No thinning necessary	Add 518 Extender or water: Max of 8 fl. oz. to a gallon of paint Never add other paints or solvents.
Roller: Premium Quality 3/8" roller cover		
Spray: Airless Pressure: 1500 -2500 psi Tip: 0.013-0.017		

Thinning/Clean up

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents.

Cleanup: Use soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry empty containers may be recycled in a can recycling program. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.

Environmental, Health & Safety Information

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.



WARNING: Cancer and Reproductive Harm—
www.P65warnings.ca.gov

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under "Clean up".

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

**Refer to Safety Data Sheet for additional
health and safety information.**



LEED V4.1 PRODUCT FORM

GENERAL INFORMATION

Manufacturer: Benjamin Moore & Co.

Product Number: N534

Product Name: Ultra Spec® 500 Interior Latex Primer

Other Information: NA

EQ/Indoor Environmental Quality: Low-Emitting Materials-Paints & Coating

VOC (Volatile Organic Compound) (grams/liters): 0.0

Emission Certification for Paints & Coatings applied to walls, floors and ceilings

Emission Certified: YES

Certifying Lab: Berkeley Analytical

Certification available on the public site: YES

CDPH Standard Test Method v1.2 emissions TVOC (mg/m3) (Office scenario - one of three ranges; = 0.5, >.5 and =4.9, = 5.0): <0.5

MR/Material & Resources/Building Product Disclosure & Optimization

Documentation available on the public site: NA

MR/ Material Ingredients

Material Ingredient Reporting: NA

In-house or third party report available: NA

Chemical Abstract Service Registration Number(CASRN) listing of ingredients to at least 0.1%: NA

CASRN listing of non-proprietary ingredients plus role and amounts and GreenScreen v1.2 benchmarks of proprietary ingredients: NA

Complete Health Product Declaration(HPD) in compliance with HPD open Standard: YES

Cradle to Cradle V2 Basic certified: NA

Cradle to Cradle V3 Bronze certified or Higher: NA

Declare labels designated as Red List Free or Declared or Compliant: YES

Material Ingredient Optimization

No benchmark 1 chemicals Using Basic GreenScreen List Translation: NA

No benchmark 1 chemicals Using Full GreenScreen assessment: NA

Cradle to Cradle certification type & level

1.V2 Gold: NA

2.V2 Platinum: NA

3.V3 Silver: NA



101 Paragon Drive Montvale NJ 07645 (201) 573-9600 www.benjaminmoore.com



LEED V4.1 PRODUCT FORM

4.V3 Gold or Platinum: **NA**

REACH - No ingredients on authorization or candidate list: **NA**

Product manufacturer supply chain optimization(both A&B required)

A - Suppliers have validated & robust documented programs for safety, health, hazard & risk for at least 99% of ingredients in the product: **NA**

B - Third party verified manufacturer supply chain optimization (including all 1, 2, 3, 4, 5 & 6): **NA**

1. Processes In place to communicate & transparently prioritize ingredients along supply chain based on hazard, exposure and to identify ingredients that require more detailed evaluation.
2. Processes to identify, document, communicate EH&S hazard and risk of chemical ingredients.
3. Processes In place to manage EH&S hazard and risk of chemical ingredients.
4. Processes In place to optimize EH&S impacts When designing and improving chemical ingredients.
5. Processes In place to communicate, receive and evaluate chemical ingredients safety and stewardship information along the supply chain.
6. Safety and stewardship information about the chemical ingredients Is publically available from all points along the supply chain.

MR/Environmental Product Declarations (EPD)

Documentation available on the public site: **NA**

EPD declaration

Product specific declaration based on ISO 14044 With cradle to gate scope: **NA**

Third party certified(type III) industry wide(generic) EPD: **NA**

Third party certified(type III) product specific EPD: **YES**

MR/Sourcing of Raw Materials

Documentation available on the public site: **NA**

Raw material source & extraction reporting:

Self-declared Public report from suppliers about land use, extraction location, and extraction or manufacturing processes: **NA**

Third party verified corporate sustainability reports(CSR) including environmental impact of extraction and activities from suppliers (based on 1, 2, 3, or 4): **NA**

Global Reporting Initiative(GRI) sustainability report: **NA**

Organization for Economic Co-operation and Development(OECD) guidelines for Multinational Enterprises: **NA**

U.N.Global Compact: Communication of Progress?: **NA**

ISO 26000: 2010 guidance on social responsibility: **NA**



LEED V4.1 PRODUCT FORM

Responsible Sourcing of Raw Materials:

Extended producer responsibility program: **NA**

Third Party based extended producer responsibility program: **PaintCare, Inc**

Bio based materials-Bio renewable content: **NA**

Recycled Content:

Post-Consumer Content (% By Weight): **0**

Pre-Consumer/Post-Industrial Content (% By Weight): **5**

Location of Manufacturing:

Location*: **NEWARK, NJ, PELL CITY, AL**

**Benjamin Moore manufactures some products at more than one manufacturing site; the product available in your local area is from the closest listed manufacturing site on the LEED form, and this site is therefore the one applicable to the LEED job in your area.*

SS/Sustainable Sites/Heat Island reduction/High reflectance roof (cool roof) credit: **NA**

SRI Value: **NA**

Contact Person:

Phone:

Signature:

Date: **8/10/2022**



ULTRA SPEC® 500

INTERIOR SEMI-GLOSS FINISH

T546

Features

- Zero VOC
- Low odor
- Excellent hiding
- Spatter resistant
- Decorative and uniform Semi-Gloss finish
- Washable
- Quick dry
- Easy application
- Soap and water clean up
- MPI Approved
- Eligible for LEED® v4 credit

Recommended For

Interior door, trim, cabinet, wall and ceiling surfaces in commercial and institutional environments where a washable Semi-Gloss finish is desired. For use on primed or previously painted drywall, plaster, wood, metal and wallpapered surfaces.

General Description

A professional-quality interior waterborne Semi-Gloss finish based on a proprietary cross-linking acrylic resin that tints on the Gennex® zero VOC colorant system. This waterborne interior Semi-Gloss has excellent stain release so it washes clean easily. The product is eligible for LEED® v4 credit and passes the most stringent environmental standards in any color. Because it tints on our Gennex® waterborne colorant system all Ultra Spec® 500 finishes are available in any color without an increase in VOC.

Limitations

- Do not apply when air and surface temperatures are below 50 °F (10 °C)

Product Information

Colors — Standard:

White (01)

— Tint Bases:

Benjamin Moore® Gennex® bases 1X – 4X

— Special Colors:

Contact your Benjamin Moore representative

Certifications & Qualifications:

VOC compliant in all regulated areas

Zero VOC

Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84

Master Painters Institute MPI # 54, 54 X-Green™, 141, 141 X-Green™, 147, 147 X-Green™

Anti-microbial - This product contains antimicrobial additives that inhibit the growth of mold and mildew on the surface of the paint film.



Benjamin Moore's Green Promise® designation is our company's assurance that this product meets – and often exceeds – rigorous environmental and performance criteria regarding VOCs, emissions, application, washability, scrubability and packaging, while also delivering the premium levels of performance you expect from Benjamin Moore.

Eligible for LEED® v4 Credit	CDPH v1 Emissions Certified	Qualifies for CHPS low emitting credit (Collaborative for High Performance Schools)	VOC (in any color)
YES	YES	YES	<50 g/L
This Benjamin Moore product has been tested by independent third parties and meets or exceeds the published chemical restriction and performance criteria of the Green Seal™ GS-11 2015 standard			

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data

Base 1

Vehicle Type	Acrylic Copolymer
Pigment Type	Titanium Dioxide
Volume Solids	37.9 ± 2%
Coverage per Gallon at Recommended Film Thickness	350 – 400 sq. ft.
Recommended Film Thickness	– Wet 3.9 – 4.2 mils – Dry 1.5 – 1.7 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.	
Dry Time @ 77 °F (25 °C) @ 50% RH	– To Touch 2 Hours – To Recoat 4 Hours
Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times.	
Dries By	Coalescence
Viscosity	93 ± 3 KU
Flash Point	N/A
Gloss / Sheen	Semi-Gloss (45 – 55 @ 60°)
Surface Temperature at Application	– Min. 50 °F – Max. 90 °F
Thin With	See Chart
Clean Up Thinner	Clean Water
Weight Per Gallon	11 lbs
Storage Temperature	– Min. 40 °F – Max. 90 °F

Volatile Organic Compounds (VOC)

0 Grams/Liter 0 Lbs./Gallon

Zero VOC post tint (any base and any color)

Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure 30 days before applying base coat. Cured plaster should be hard, have a slight sheen and maximum PH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles before priming. Wood substrates must be thoroughly dry.

Difficult Substrates: Benjamin Moore offers a variety of specialty primers for use over difficult substrates such as bleeding woods, grease stains, crayon markings, hard Glossy surfaces, galvanized metal or other substrates where paint adhesion or stain suppression is a particular problem. Your Benjamin Moore® retailer can recommend the right problem-solving primer for your special needs.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Primer/Finish Systems

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results, tint the primer to the approximate shade of the finish coat, especially when a significant color change is desired. **Special Note:** Certain custom colors require a Deep Color Base Primer tinted to a special prescription formula to achieve the desired color. Consult your retailer or a Benjamin Moore representative.

Wood, and engineered wood products:

Primer: Ultra Spec® 500 Interior Latex Primer (N534) or Fresh Start® Multi-Purpose Oil Based Primer (024)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (T546)

Drywall:

Primer: Ultra Spec® 500 Interior Latex Primer (N534)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (T546)

Plaster (Cured):

Primer: Ultra Spec® 500 Interior Latex Primer (N534) or Fresh Start® High-Hiding All Purpose Primer (046)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (T546)

Rough or Pitted Masonry:

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (571)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (T546)

Smooth Poured or Precast Concrete:

Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (T546)

Ferrous Metal (Steel and Iron):

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04) or Super Spec HP® Alkyd Metal Primer (P06)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (T546)

Non-Ferrous Metal (Galvanized & Aluminum): All new metal surfaces must be thoroughly cleaned with an Oil & Grease Emulsifier Corotech® V600 to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion.

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Semi-Gloss Finish (T546)

Repaint, All Substrates: Prime bare areas with the primer recommended for the substrate above.

Application

Stir thoroughly before use. Apply one or two coats. For best results, use a Benjamin Moore® Professional custom-blended nylon/polyester brush, Benjamin Moore® Professional roller, or a similar product. This product can also be sprayed.

Conditioning with Benjamin Moore® 518 Extender may be necessary under certain conditions to adjust open time or spray characteristics. The chart below is for general guidance		
	Mild conditions	Severe conditions
	Humid (RH> 50%) with no direct sunlight & with little to no wind	Dry (RH<50%), in direct sunlight, or windy conditions
Brush: Nylon / Polyester	No thinning necessary	Add 518 Extender or water: Max of 8 fl. oz. to a gallon of paint Never add other paints or solvents.
Roller: Premium Quality 3/8" roller cover		
Spray: Airless Pressure: 1500-2500 psi Tip: 0.013-0.017		

Thinning/Clean up

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents.

Clean up: Use soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry empty containers may be recycled in a can recycling program. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.

Environmental Health & Safety Information

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.



WARNING Cancer and Reproductive Harm—
www.P65warnings.ca.gov

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under "Cleanup".

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

**Refer to Safety Data Sheet for additional
health and safety information.**



LEED V4.1 PRODUCT FORM

GENERAL INFORMATION

Manufacturer: Benjamin Moore & Co.
Product Number: T546
Product Name: Ultra Spec® 500 Interior Paint - Semi-Gloss
Other Information: NA

EQ/Indoor Environmental Quality: Low-Emitting Materials-Paints & Coating

VOC (Volatile Organic Compound) (grams/liters): 0.0

Emission Certification for Paints & Coatings applied to walls, floors and ceilings

Emission Certified: YES
Certifying Lab: Berkeley Analytical
Certification available on the public site: YES
CDPH Standard Test Method v1.2 emissions TVOC (mg/m3) (Office scenario - one of three ranges; = 0.5, >.5 and =4.9, = 5.0): <0.5

MR/Material & Resources/Building Product Disclosure & Optimization

Documentation available on the public site: NA

MR/ Material Ingredients

Material Ingredient Reporting: NA

In-house or third party report available: NA
Chemical Abstract Service Registration Number(CASRN) listing of ingredients to at least 0.1%: NA
CASRN listing of non-proprietary ingredients plus role and amounts and GreenScreen v1.2 benchmarks of proprietary ingredients: NA
Complete Health Product Declaration(HPD) in compliance with HPD open Standard: YES
Cradle to Cradle V2 Basic certified: NA
Cradle to Cradle V3 Bronze certified or Higher: NA
Declare labels designated as Red List Free or Declared or Compliant: NA

Material Ingredient Optimization

No benchmark 1 chemicals Using Basic GreenScreen List Translation: NA
No benchmark 1 chemicals Using Full GreenScreen assessment: NA
Cradle to Cradle certification type & level
1.V2 Gold: NA
2.V2 Platinum: NA
3.V3 Silver: NA



LEED V4.1 PRODUCT FORM

4.V3 Gold or Platinum: **NA**

REACH - No ingredients on authorization or candidate list: **NA**

Product manufacturer supply chain optimization(both A&B required)

A - Suppliers have validated & robust documented programs for safety, health, hazard & risk for at least 99% of ingredients in the product: **NA**

B - Third party verified manufacturer supply chain optimization (including all 1, 2, 3, 4, 5 & 6): **NA**

1. Processes In place to communicate & transparently prioritize ingredients along supply chain based on hazard, exposure and to identify ingredients that require more detailed evaluation.
2. Processes to identify, document, communicate EH&S hazard and risk of chemical ingredients.
3. Processes In place to manage EH&S hazard and risk of chemical ingredients.
4. Processes In place to optimize EH&S impacts When designing and improving chemical ingredients.
5. Processes In place to communicate, receive and evaluate chemical ingredients safety and stewardship information along the supply chain.
6. Safety and stewardship information about the chemical ingredients Is publically available from all points along the supply chain.

MR/Environmental Product Declarations (EPD)

Documentation available on the public site: **NA**

EPD declaration

Product specific declaration based on ISO 14044 With cradle to gate scope: **NA**

Third party certified(type III) industry wide(generic) EPD: **NA**

Third party certified(type III) product specific EPD: **YES**

MR/Sourcing of Raw Materials

Documentation available on the public site: **NA**

Raw material source & extraction reporting:

Self-declared Public report from suppliers about land use, extraction location, and extraction or manufacturing processes: **NA**

Third party verified corporate sustainability reports(CSR) including environmental impact of extraction and activities from suppliers (based on 1, 2, 3, or 4): **NA**

Global Reporting Initiative(GRI) sustainability report: **NA**

Organization for Economic Co-operation and Development(OECD) guidelines for Multinational Enterprises: **NA**

U.N.Global Compact: Communication of Progress?: **NA**

ISO 26000: 2010 guidance on social responsibility: **NA**



LEED V4.1 PRODUCT FORM

Responsible Sourcing of Raw Materials:

Extended producer responsibility program: **NA**

Third Party based extended producer responsibility program: **PaintCare, Inc**

Bio based materials-Bio renewable content: **NA**

Recycled Content:

Post-Consumer Content (% By Weight): **0**

Pre-Consumer/Post-Industrial Content (% By Weight): **5**

Location of Manufacturing:

Location*: **MILFORD, MA**

**Benjamin Moore manufactures some products at more than one manufacturing site; the product available in your local area is from the closest listed manufacturing site on the LEED form, and this site is therefore the one applicable to the LEED job in your area.*

SS/Sustainable Sites/Heat Island reduction/High reflectance roof (cool roof) credit: **NA**

SRI Value: **NA**

Contact Person:

Phone:

Signature:

Date: **8/10/2022**



ULTRA SPEC® 500

INTERIOR LOW SHEEN EGGSHELL

T537

Features

- Zero VOC
- Excellent hiding
- Low odor
- Great touch up
- Spatter resistant
- Decorative and uniform low sheen eggshell finish
- Washable
- Quick dry
- Easy application
- MPI Approved
- Soap and water clean up
- Eligible for LEED® v4 credit

Recommended For

Interior wall and ceiling surfaces in commercial and institutional environments where a washable low sheen finish is desired. For use on primed or previously painted drywall, plaster, wood, metal and wallpapered surfaces.

General Description

A professional-quality interior waterborne low sheen eggshell finish based on a proprietary cross-linking acrylic resin that tints on the Gennex® zero VOC colorant system. This waterborne Interior Low Sheen Eggshell Finish provides the wash ability of a semi-gloss in a softer sheen. The product is eligible for LEED® v4 credit and passes the most stringent environmental standards in any color. Because it tints on our Gennex® waterborne colorant system all Ultra Spec® 500 finishes are available in any color without an increase in VOC.

Limitations

- Do not apply when air and surface temperatures are below 50 °F (10 °C)

Product Information

Colors — Standard:

White (01)

— Tint Bases:

Benjamin Moore® Gennex® bases 1X – 4X

— Special Colors:

Contact your Benjamin Moore representative

Certifications & Qualifications:

VOC compliant in all regulated areas

Zero VOC

Class A (0-25) over non-combustible surfaces when tested in accordance with ASTM E-84

Master Painters Institute MPI # 44, 44 X-Green™, 138, 138 X-Green™, 144, 144 X-Green™

Anti-microbial - This product contains antimicrobial additives that inhibit the growth of mold and mildew on the surface of the paint film.



Benjamin Moore's Green Promise® designation is our company's assurance that this product meets – and often exceeds – rigorous environmental and performance criteria regarding VOCs, emissions, application, washability, scrubability and packaging, while also delivering the premium levels of performance you expect from Benjamin Moore.

Eligible for LEED® v4 Credit	CDPH v1 Emissions Certified	Qualifies for CHPS low emitting credit (Collaborative for High Performance Schools)	VOC (in any color)
YES	YES	YES	<50 g/L
This Benjamin Moore product has been tested by independent third parties and meets or exceeds the published chemical restriction and performance criteria of the Green Seal™ GS-11 2015 standard			

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer. For the location of the retailer nearest you, call 1-866-708-9180 or visit www.benjaminmoore.com

Technical Data

Base 1

Vehicle Type	Acrylic Copolymer
Pigment Type	Titanium Dioxide
Volume Solids	41.2 ± 2%
Coverage per Gallon at Recommended Film Thickness	350 – 400 sq. ft.
Recommended Film Thickness	– Wet 4.0 – 4.4 mils – Dry 1.7 – 1.9 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.	
Dry Time @ 77 °F (25 °C) @ 50% RH	– To Touch 2 Hours – To Recoat 2 – 3 Hours
Painted surfaces can be washed after two weeks. High humidity and cool temperatures will result in longer dry, recoat and service times.	
Dries By	Coalescence
Viscosity	93 ± 5 KU
Flash Point	N/A
Gloss / Sheen	Low Sheen (15 – 20 @ 85°)
Surface Temperature at Application	– Min. 50 °F – Max. 90 °F
Thin With	See Chart
Clean Up Thinner	Clean Water
Weight Per Gallon	11.7 lbs
Storage Temperature	– Min. 40 °F – Max. 90 °F

Volatile Organic Compounds (VOC)

0 Grams/Liter 0 Lbs./Gallon

Zero VOC post tint (any base and any color)

Surface Preparation

Surfaces to be painted must be clean, dry, and free of dirt, dust, grease, oil, soap, wax, scaling paint, water soluble materials, and mildew. Remove any peeling or scaling paint and sand these areas to feather edges smooth with adjacent surfaces. Glossy areas should be dulled. Drywall surfaces must be free of sanding dust.

New plaster or masonry surfaces must be allowed to cure 30 days before applying base coat. Cured plaster should be hard, have a slight sheen and maximum PH of 10; soft, porous or powdery plaster indicates improper cure. Never sand a plaster surface; knife off any protrusions and prime plaster before and after applying patching compound. Poured or pre-cast concrete with a very smooth surface should be etched or abraded to promote adhesion, after removing all form release agents and curing compounds. Remove any powder or loose particles before priming. Wood substrates must be thoroughly dry.

Difficult Substrates: Benjamin Moore offers a variety of specialty primers for use over difficult substrates such as bleeding woods, grease stains, crayon markings, hard glossy surfaces, galvanized metal or other substrates where paint adhesion or stain suppression is a particular problem. Your Benjamin Moore® retailer can recommend the right problem-solving primer for your special needs.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Primer/Finish Systems

New surfaces should be fully primed, and previously painted surfaces may be primed or spot primed as necessary. For best hiding results, tint the primer to the approximate shade of the finish coat, especially when a significant color change is desired. **Special Note:** Certain custom colors require a Deep Color Base Primer tinted to a special prescription formula to achieve the desired color. Consult your retailer or a Benjamin Moore representative.

Wood, and Engineered Wood Products:

Primer: Ultra Spec® 500 Interior Latex Primer (N534) or Fresh Start® Multi-Purpose Oil Based Primer (024)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Low Sheen Eggshell Finish (T537)

Drywall:

Primer: Ultra Spec® 500 Interior Latex Primer (N534)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Low Sheen Eggshell Finish (T537)

Plaster (Cured):

Primer: Ultra Spec® 500 Interior Latex Primer (N534) or Fresh Start® High-Hiding All Purpose Primer (046)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Low Sheen Eggshell Finish (T537)

Rough or Pitted Masonry:

Primer: Ultra Spec® Masonry Interior/Exterior Hi-Build Block Filler (571)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Low Sheen Eggshell Finish (T537)

Smooth Poured or Precast Concrete:

Primer: Ultra Spec® Masonry Interior / Exterior 100% Acrylic Masonry Sealer (608)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Low Sheen Eggshell Finish (T537)

Ferrous Metal (Steel and Iron):

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04) or Super Spec HP® Alkyd Metal Primer (P06)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Low Sheen Eggshell Finish (T537)

Non-Ferrous Metal (Galvanized & Aluminum): All new metal surfaces must be thoroughly cleaned with an Oil & Grease Emulsifier Corotech® V600 to remove contaminants. New shiny non-ferrous metal surfaces that will be subject to abrasion should be dulled with very fine sandpaper or a synthetic steel wool pad to promote adhesion.

Primer: Ultra Spec® HP Acrylic Metal Primer (HP04)

Finish: 1 or 2 coats Ultra Spec® 500 Interior Low Sheen Eggshell Finish (T537)

Repaint, All Substrates: Prime bare areas with the primer recommended for the substrate above.

Application

Stir thoroughly before use. Apply one or two coats. For best results, use a Benjamin Moore® Professional custom-blended nylon/polyester brush, Benjamin Moore® Professional roller, or a similar product. This product can also be sprayed.

Conditioning with Benjamin Moore® 518 Extender may be necessary under certain conditions to adjust open time or spray characteristics. The chart below is for general guidance		
	Mild conditions	Severe conditions
	Humid (RH> 50%) with no direct sunlight & with little to no wind	Dry (RH<50%), in direct sunlight, or windy conditions
Brush: Nylon / Polyester	No thinning necessary	Add 518 Extender or water: Max of 8 fl. oz. to a gallon of paint Never add other paints or solvents.
Roller: Premium Quality 3/8" roller cover		
Spray: Airless Pressure: 1500-2500 psi Tip: 0.013-0.017		

Thinning/Clean up

Thinning is unnecessary, but if required to obtain desired application properties, a small amount of clean water may be added. Never add other paints or solvents.

Clean up: Use soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

USE COMPLETELY OR DISPOSE OF PROPERLY. Dry empty containers may be recycled in a can recycling program. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.

Environmental Health & Safety Information

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling



WARNING: Cancer and Reproductive Harm—
www.P65warnings.ca.gov

WARNING: This product contains isothiazolinone compounds at levels of <0.1%. These substances are biocides commonly found in most paints and a variety of personal care products as a preservative. Certain individuals may be sensitive or allergic to these substances, even at low levels.

FIRST AID: In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under "Clean up".

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

**Refer to Safety Data Sheet for additional
health and safety information.**



LEED V4.1 PRODUCT FORM

GENERAL INFORMATION

Manufacturer: Benjamin Moore & Co.

Product Number: T537

Product Name: Ultra Spec® 500 Interior Paint - Low Sheen Eggshell

Other Information: NA

EQ/Indoor Environmental Quality: Low-Emitting Materials-Paints & Coating

VOC (Volatile Organic Compound) (grams/liters): 0.0

Emission Certification for Paints & Coatings applied to walls, floors and ceilings

Emission Certified: YES

Certifying Lab: Berkeley Analytical

Certification available on the public site: NA

CDPH Standard Test Method v1.2 emissions TVOC (mg/m3) (Office scenario - one of three ranges; = 0.5, >.5 and =4.9, = 5.0): <0.5

MR/Material & Resources/Building Product Disclosure & Optimization

Documentation available on the public site: NA

MR/ Material Ingredients

Material Ingredient Reporting: NA

In-house or third party report available: NA

Chemical Abstract Service Registration Number(CASRN) listing of ingredients to at least 0.1%: NA

CASRN listing of non-proprietary ingredients plus role and amounts and GreenScreen v1.2 benchmarks of proprietary ingredients: NA

Complete Health Product Declaration(HPD) in compliance with HPD open Standard: YES

Cradle to Cradle V2 Basic certified: NA

Cradle to Cradle V3 Bronze certified or Higher: NA

Declare labels designated as Red List Free or Declared or Compliant: NA

Material Ingredient Optimization

No benchmark 1 chemicals Using Basic GreenScreen List Translation: NA

No benchmark 1 chemicals Using Full GreenScreen assessment: NA

Cradle to Cradle certification type & level

1.V2 Gold: NA

2.V2 Platinum: NA

3.V3 Silver: NA



101 Paragon Drive Montvale NJ 07645 (201) 573-9600 www.benjaminmoore.com



LEED V4.1 PRODUCT FORM

4.V3 Gold or Platinum: **NA**

REACH - No ingredients on authorization or candidate list: **NA**

Product manufacturer supply chain optimization(both A&B required)

A - Suppliers have validated & robust documented programs for safety, health, hazard & risk for at least 99% of ingredients in the product: **NA**

B - Third party verified manufacturer supply chain optimization (including all 1, 2, 3, 4, 5 & 6): **NA**

1. Processes In place to communicate & transparently prioritize ingredients along supply chain based on hazard, exposure and to identify ingredients that require more detailed evaluation.
2. Processes to identify, document, communicate EH&S hazard and risk of chemical ingredients.
3. Processes In place to manage EH&S hazard and risk of chemical ingredients.
4. Processes In place to optimize EH&S impacts When designing and improving chemical ingredients.
5. Processes In place to communicate, receive and evaluate chemical ingredients safety and stewardship information along the supply chain.
6. Safety and stewardship information about the chemical ingredients Is publically available from all points along the supply chain.

MR/Environmental Product Declarations (EPD)

Documentation available on the public site: **NA**

EPD declaration

Product specific declaration based on ISO 14044 With cradle to gate scope: **NA**

Third party certified(type III) industry wide(generic) EPD: **NA**

Third party certified(type III) product specific EPD: **YES**

MR/Sourcing of Raw Materials

Documentation available on the public site: **NA**

Raw material source & extraction reporting:

Self-declared Public report from suppliers about land use, extraction location, and extraction or manufacturing processes: **NA**

Third party verified corporate sustainability reports(CSR) including environmental impact of extraction and activities from suppliers (based on 1, 2, 3, or 4): **NA**

Global Reporting Initiative(GRI) sustainability report: **NA**

Organization for Economic Co-operation and Development(OECD) guidelines for Multinational Enterprises: **NA**

U.N.Global Compact: Communication of Progress?: **NA**

ISO 26000: 2010 guidance on social responsibility: **NA**



LEED V4.1 PRODUCT FORM

Responsible Sourcing of Raw Materials:

Extended producer responsibility program: **NA**

Third Party based extended producer responsibility program: **PaintCare, Inc**

Bio based materials-Bio renewable content: **NA**

Recycled Content:

Post-Consumer Content (% By Weight): **0**

Pre-Consumer/Post-Industrial Content (% By Weight): **5**

Location of Manufacturing:

Location*: **JOHNSTOWN, NY, PELL CITY, AL**

**Benjamin Moore manufactures some products at more than one manufacturing site; the product available in your local area is from the closest listed manufacturing site on the LEED form, and this site is therefore the one applicable to the LEED job in your area.*

SS/Sustainable Sites/Heat Island reduction/High reflectance roof (cool roof) credit: **NA**

SRI Value: **NA**

Contact Person:

Phone:

Signature:

Date: **8/10/2022**



LEED V4.1 PRODUCT FORM

GENERAL INFORMATION

Manufacturer: Benjamin Moore & Co.
Product Number: FR-210
Product Name: Insl-X Latex Fire Retardant Paint
Other Information: NA

EQ/Indoor Environmental Quality: Low-Emitting Materials-Paints & Coating

VOC (Volatile Organic Compound) (grams/liters): 45.7

Emission Certification for Paints & Coatings applied to walls, floors and ceilings

Emission Certified: NA
Certifying Lab: NA
Certification available on the public site: NA
CDPH Standard Test Method v1.2 emissions TVOC (mg/m3) (Office scenario - one of three ranges; = 0.5, >.5 and =4.9, = 5.0): NA

MR/Material & Resources/Building Product Disclosure & Optimization

Documentation available on the public site: NA

MR/ Material Ingredients

Material Ingredient Reporting: NA

In-house or third party report available: NA
Chemical Abstract Service Registration Number(CASRN) listing of ingredients to at least 0.1%: NA
CASRN listing of non-proprietary ingredients plus role and amounts and GreenScreen v1.2 benchmarks of proprietary ingredients: NA
Complete Health Product Declaration(HPD) in compliance with HPD open Standard: NA
Cradle to Cradle V2 Basic certified: NA
Cradle to Cradle V3 Bronze certified or Higher: NA
Declare labels designated as Red List Free or Declared or Compliant: NA

Material Ingredient Optimization

No benchmark 1 chemicals Using Basic GreenScreen List Translation: NA
No benchmark 1 chemicals Using Full GreenScreen assessment: NA
Cradle to Cradle certification type & level
1.V2 Gold: NA
2.V2 Platinum: NA
3.V3 Silver: NA



LEED V4.1 PRODUCT FORM

4.V3 Gold or Platinum: **NA**

REACH - No ingredients on authorization or candidate list: **NA**

Product manufacturer supply chain optimization(both A&B required)

A - Suppliers have validated & robust documented programs for safety, health, hazard & risk for at least 99% of ingredients in the product: **NA**

B - Third party verified manufacturer supply chain optimization (including all 1, 2, 3, 4, 5 & 6): **NA**

1. Processes In place to communicate & transparently prioritize ingredients along supply chain based on hazard, exposure and to identify ingredients that require more detailed evaluation.
2. Processes to identify, document, communicate EH&S hazard and risk of chemical ingredients.
3. Processes In place to manage EH&S hazard and risk of chemical ingredients.
4. Processes In place to optimize EH&S impacts When designing and improving chemical ingredients.
5. Processes In place to communicate, receive and evaluate chemical ingredients safety and stewardship information along the supply chain.
6. Safety and stewardship information about the chemical ingredients Is publically available from all points along the supply chain.

MR/Environmental Product Declarations (EPD)

Documentation available on the public site: **NA**

EPD declaration

Product specific declaration based on ISO 14044 With cradle to gate scope: **NA**

Third party certified(type III) industry wide(generic) EPD: **NA**

Third party certified(type III) product specific EPD: **NA**

MR/Sourcing of Raw Materials

Documentation available on the public site: **NA**

Raw material source & extraction reporting:

Self-declared Public report from suppliers about land use, extraction location, and extraction or manufacturing processes: **NA**

Third party verified corporate sustainability reports(CSR) including environmental impact of extraction and activities from suppliers (based on 1, 2, 3, or 4): **NA**

Global Reporting Initiative(GRI) sustainability report: **NA**

Organization for Economic Co-operation and Development(OECD) guidelines for Multinational Enterprises: **NA**

U.N.Global Compact: Communication of Progress?: **NA**

ISO 26000: 2010 guidance on social responsibility: **NA**



LEED V4.1 PRODUCT FORM

Responsible Sourcing of Raw Materials:

Extended producer responsibility program: **NA**

Third Party based extended producer responsibility program: **PaintCare, Inc**

Bio based materials-Bio renewable content: **NA**

Recycled Content:

Post-Consumer Content (% By Weight): **0**

Pre-Consumer/Post-Industrial Content (% By Weight): **0**

Location of Manufacturing:

Location*: **PELL CITY, AL**

**Benjamin Moore manufactures some products at more than one manufacturing site; the product available in your local area is from the closest listed manufacturing site on the LEED form, and this site is therefore the one applicable to the LEED job in your area.*

SS/Sustainable Sites/Heat Island reduction/High reflectance roof (cool roof) credit: **NA**

SRI Value: **NA**

Contact Person:

Phone:

Signature:

Date: **8/10/2022**



FIRE RETARDANT PAINT

LATEX INTUMESCENT COATING

FLAT FINISH FR-210

Features

- Intumescent product
- Class "A" when tested in accordance with ASTM E84 / UL 723 & ASTM E2768
- Applies like a regular paint
- Soap and water cleanup
- Low VOC

Recommended For

For interior use on primed or previously painted wood, drywall, cellulose tile, cured plaster, masonry and metal.

General Description

INSL-X® Fire Retardant Paint is a high-quality latex decorative, intumescent, fire retardant coating for interior ceilings, walls and trim. This product provides a high-hiding flat finish that retards flame spread by reacting to heat and forming a thick cellular char blanket (intumescence). By reducing excessive heat penetration, this product retards flame spread and minimizes smoke generation. It is suitable for primed or previously painted wood, drywall, cellulose tile, cured plaster, masonry and metal. It applies like a conventional latex paint, low in VOCs, and washes without spotting. This product may also be topcoated with a conventional acrylic paint without affecting the flame spread rating.

Limitations

- Use product when surface temperatures are between 50 °F (10 °C) and 95 °F (35 °C).

Product Information					
Colors — Standard: White Can be tinted with up to 2 oz. of Universal Colorants.	Technical Data◇				
— Tint Bases: N/A	White				
— Special Colors: Contact your dealer.	Vehicle Type 100% Acrylic				
Certifications & Qualifications: VOC compliant in all regulated areas	Pigment Type Acrylic Co-Polymer				
The products supported by this data sheet contain a maximum of 50 grams per liter VOC/VOS (0.42 lbs. /gal.) excluding water & exempt solvents. This product meets qualifications for LEED (Leadership in Energy and Environmental Design) projects as a Flat Coating. Master Painter Institute MPI # 64	Volume Solids 48.5 ± 1.0%				
 UL® Flame Spread Rating Class "A"; tested over Douglas fir. Standard 10 Minute Test Results per ASTM E84 / UL 723	Coverage per Gallon at Recommended Film Thickness 150 Sq. Ft.				
<table><tr><td>Flame Spread Index</td><td>0</td></tr><tr><td>Smoke Developed Index</td><td>35</td></tr></table>	Flame Spread Index	0	Smoke Developed Index	35	Recommended Film Thickness – Wet 10.7 mils – Dry 5.2 mils
Flame Spread Index	0				
Smoke Developed Index	35				
NGC® Flame Spread Rating Class "A"; tested over Douglas fir. 30 Minute Extended Test Results per ASTM E2768	10 minute burn class A rating: ASTM E84 / UL 723 with one coat applied at a spread rate of 150 square feet/gallon (10.7 mils WFT/5.2 mils DFT)				
<table><tr><td>Flame Spread Index</td><td>Pass</td></tr><tr><td>Smoke Developed Index</td><td>Pass</td></tr></table>	Flame Spread Index	Pass	Smoke Developed Index	Pass	30 minute burn class A rating: ASTM E2768 with two coats applied at a spread rate of 150 square feet/gallon (10.7 mils WFT/5.2 mils DFT)
Flame Spread Index	Pass				
Smoke Developed Index	Pass				
Technical Assistance: Available through your local authorized independent dealer. For the location of the dealer nearest you, call 1-866-708-9180 or see www.benjaminmoore.com/insl-x	Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess paint.				
	Dry Time @ 77 °F (25 °C) @ 50% RH – Tack Free 30 Minutes – To Recoat 2 Hours				
	High humidity and cool temperatures will result in longer dry, recoat and service times.				
	Dries By Coalescence				
	Viscosity 90 – 105 KU				
	Flash Point N/A				
	Gloss / Sheen Flat (<10 @ 85°)				
	Surface Temperature at Application – Min. 50 °F – Max. 95 °F				
	Thin With Do not Thin				
	Clean Up Thinner Warm Soapy Water				
	Weight Per Gallon 11.5 lbs.				
	Storage Temperature – Min. 40 °F – Max. 100 °F				
	Volatile Organic Compounds (VOC)				
	45 Grams/Liter 0.37 Lbs./Gallon				

◇ Reported values are for White. Contact dealer for values of other bases or colors.

Fire Retardant Paint Latex Flat Finish FR-210

Surface Preparation

Surfaces to be painted must be clean, dry and free of oil, grease, dust, rust, mill scale, loose paint, chalk and other contaminants that could interfere with adhesion. Glossy surfaces should be dulled by abrading the surface.

Previously Painted Surfaces: No primer is needed if surface is in good condition. Clean and sand as needed.

Ferrous Metal: Remove loose rust and mill scale with a grinder, scraper, wire brush or sandpaper. Remove oil and grease as necessary using an oil and grease emulsifying cleaner. Prime bare spots with metal primer.

Wood/Drywall: Spot prime patched and spackled areas with the recommended primer before top-coating.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Application

Stir this product thoroughly before use. Once stirred, Insl-x Fire Retardant Paint is ready to use. Do not incorporate any additives into this product. Do not apply if surface or air temperatures are below 50 °F or above 95 °F.

Brush: Synthetic Bristle only.

Roller: 3/8" to 1/2" Nap Synthetic Roller

Airless Spray: Fluid Pressure – 1500 to 2500 psi.
Tip Size - .013 to .017

Clean Up

Clean all equipment immediately after use with soap and water. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

Environmental Health & Safety Information

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling. Refer to Safety Data Sheet for additional health and safety information.



WARNING: Cancer and Reproductive Harm—
www.P65warnings.ca.gov

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

**KEEP OUT OF REACH OF CHILDREN
KEEP FROM FREEZING**

**Refer to Safety Data Sheet for
additional health and safety information.**

CERTIFICATE OF COMPLIANCE



Turnils

Kensington Faux Wood Collection

Restrictions:

4884-420

Certificate Number

11/16/2007 - 11/16/2016

Certificate Period

Certified

Status

UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings

Window treatments are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.1-2010 using an Office and Classroom Environment.

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.



Environment

UL Environment investigated representative samples of the identified Product(s) to the identified Standard(s) or other requirements in accordance with the agreements and any applicable program service terms in place between UL Environment and the Certificate Holder (collectively "Agreement"). The Certificate Holder is authorized to use the UL Environment Mark for the identified Product(s) manufactured at the production site(s) covered by the ULE Test Report, in accordance with the terms of the Agreement. This Certificate is valid for the identified dates unless there is non-compliance with the Agreement.

GREENGUARD Gold Certification Criteria for Building Products and Interior Finishes

Criteria	CAS Number	Maximum Allowable Predicted Concentration	Units
TVOC ^(A)	-	0.22	mg/m ³
Formaldehyde	50-00-0	9 (7.3 ppb)	µg/m ³
Total Aldehydes ^(B)	-	0.043	ppm
4-Phenylcyclohexene	4994-16-5	6.5	µg/m ³
Particle Matter less than 10 µm ^(C)	-	20	µg/m ³
1-Methyl-2-pyrrolidinone ^(D)	872-50-4	160	µg/m ³
Individual VOCs ^(E)	-	1/2 CREL or 1/100th TLV	-

- (A) Defined to be the total response of measured VOCs falling within the C₆ – C₁₆ range, with responses calibrated to a toluene surrogate.
- (B) The sum of all measured normal aldehydes from formaldehyde through nonanal, plus benzaldehyde, individually calibrated to a compound specific standard. Heptanal through nonanal are measured via TD/GC/MS analysis and the remaining aldehydes are measured using HPLC/UV analysis.
- (C) Particle emission requirement only applicable to HVAC Duct Products with exposed surface area in air streams (a forced air test with specific test method) and for wood finishing (sanding) systems.
- (D) Based on the CA Prop 65 Maximum Allowable Dose Level for inhalation of 3,200 µg/day and an inhalation rate of 20 m³/day
- (E) Allowable levels for chemicals not listed are derived from the lower of 1/2 the California Office of Environmental Health Hazard Assessment (OEHA) Chronic Reference Exposure Level (CREL) as required per the CDPH/EHLB/Standard Method v1.1 and BIFMA level credit 7.6.2 and 1/100th of the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, and Cincinnati, OH 45211-4438).



Environment



NU GREEN 2® PARTICLEBOARD

NU Green 2® Particleboard is a ULEF (Ultra-Low Emission Formaldehyde) raw particleboard. This new product is FSC® certified (Forest Steward Council®) for its chain of custody by NEPCo and ECC™ certified (Eco-Certifies Composite) by the Composite Panel Association (CPA). It is made using 100% pre-consumer recycled or recovered wood fiber. Uniboard's NU Green 2® Particleboard is available in a wide array of melamine colors.

VALIDATED ECO-DECLARATION

©Copyright 2016 Vertima Inc.

PRODUCT SPECIFICATIONS

References

NU Green 2® Particleboard laminated or not laminated

Final manufacturing location

Sayabec, Quebec G0J 3K0
CANADA

Components

Wood particles, MUF resin, water, scavenger, catalyst and melamine-cellulose

ATTRIBUTES

Recycled Content

Pre-consumer: 82.9% - 85.6%
Post-consumer: 0%

Sourcing of raw materials

The origin and extraction location of raw materials have been documented for 82.9%-85.6% of the final product weight ratio.

Certified Wood

NC-COC-002726

Rapidly renewable materials

-

Biobased materials

-

ENVIRONMENTAL IMPACTS

Life Cycle Assessment

-

Reference service life

-

Product's carbon footprint

-

Environmental Product Declaration

Industry-wide (generic) (Dec. 2018 to Nov. 2023)
ISO 14025:2006, Type III
The EPD excludes the laminated product.

INGREDIENTS AND EMISSIONS

Declaration of

1,000 ppm

Type of declaration HPD® version 2.1.1
Health Product Declaration®
July 2019 to July 2022

Emission test

-

COV

-

Formaldehyde

≤ 0.04 ppm

Others

TSCA Title VI compliant
Ultra-Low Emission
Formaldehyde (ULEF)
Certified

TECHNICAL PERFORMANCES

Performance tests

ANSI A208.1-2016/ ASTM E84

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT

Certification ISO 14001

-

Extended Producer Responsibility

(Take Back Program)

-

Corporate Sustainability Report

(CSR : GRI, ISO 26000, BNQ 21000 or others)

-

CERTIFICATIONS AND CONFORMITIES



The mark of
responsible forestry

TSCA
TITLE VI
COMPLIANT



Uniboard Canada Inc. is a leading North American manufacturer of engineered wood products, with installed capacity of over 660 million square feet of raw particleboard, high-density and medium-density fiberboard, of which over 50% is converted into value-added TFL.

5555, Ernest Cormier Street – Suite 100, Laval, H7C 2S9, QC, Canada

MasterFormat®: **06 42 00**

Validated Eco-Declaration:

VED16-1068-02

Original issue date: **05/2016**

Period of validity: **08/2021 to 08/2022**



ENVIRONMENTAL DATA SHEET

NU GREEN 2® PARTICLEBOARD



PRODUCT CONTRIBUTION SUMMARY

LEED® v4 requirements for Building Design + Construction (BD+C)

New Construction, Core and Shell, School, Retail, Data Centers, Warehouse and Distribution Centers, Hospitality and Healthcare.

LEED® v4 requirements for Interior Design + Construction (ID+C)

Commercial Interiors, Retail and Hospitality.

MATERIALS AND RESOURCES		PRODUCT CONTRIBUTIONS	
MR	Building Product Disclosure and Optimization – Environmental Product Declaration (EPD) Option 1: Environmental Product Declaration (1 point) NU Green 2® Particleboard contributes to this credit due to the availability of a industry-wide (generic) EPD (type III) and is valued as 1/2 whole product out of the 20 needed for purposes of credit achievement calculation.	Contribute	ENVIRONMENTAL IMPACTS
			Industry-wide (generic) EPD, Type III The EPD excludes the laminated product.
MR	Building Product Disclosure and Optimization – Sourcing or Raw Materials Option2: Leadership extraction practices (1 point) May also contribute to the location valuation factor if the product is sourced (extracted, manufactured, purchased) within 160 km of the project site.	Contribute	ATTRIBUTES Recycled Content pre-consumer (83.7% - 86.5%) and FSC®- Certified (100%) (When specified)
MR	Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting (1 point)	Contribute	INGREDIENTS AND EMISSIONS
			HPD® version 2.1.1
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	Low-Emitting Materials Option 1: Product category calculation (1-3 points) ¹ Number of points is dependant on the LEED rating system and the number of compliant categories. For the Composite Wood category 100% of composite wood not covered by other categories must meet the requirements.	Contribute ¹	INGREDIENTS AND EMISSIONS
			ULEF Certified and CARB Phase 2
LEED® v4 requirements for homes Applies to single family homes, low-rise multi-family (one to three stories), or mid-rise multi-family (four to six stories); includes Homes and Multifamily Lowrise and Multifamily Midrise.			
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
MR Prereq 1	Certified Tropical Wood	Prerequisite	ATTRIBUTES Uniboard's product do not contain tropical species
MR Credit 2	Environmentally Preferable Products Option 2: Environmentally Preferable Products ² At least 90% of all materials in each category must meet credit requirements. NU Green 2® Particleboard contributes to 0.5 point for FSC® -Certified and to 0.5 point for Recycled Content.	Contribute ²	ATTRIBUTES Recycled Content pre-consumer (82.9% - 85.6%) and FSC®- Certified (100%) (When specified)
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ Credit 7	Low-Emitting Products ³ At least 90% of all materials in each category must meet credit requirements. NU Green 2® Particleboard contributes to 1point for CARB Phase 2 Compliant and ULEF Certified.	Do not contribute ³	INGREDIENTS AND EMISSIONS
			ULEF Certified and CARB Phase 2

It is important to note that the points identified above are linked with each of the credits where the product contributes as part of a LEED® v4 certification process. The product itself is only one element among others to reach the target score.

The data included in this Environmental Data Sheet has been provided by the client and the suppliers, who are responsible for its veracity and its integrity. Vertima follows a rigorous protocol, including an on-site audit of the factory, an audit of the manufacturer's supply chain documentation, and the analysis and validation of all supporting documents. However, Vertima cannot be held responsible for false or misleading information that may cause any loss or damage suffered, caused in all or in part, by errors and/or omissions relative to the collection, compilation and/or interpretation of data.
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Validated Eco-Declaration:
VED16-1068-02
 Period of validity:
08/2021 to 08/2022





NU GREEN 2® PARTICLEBOARD

NU Green 2® Particleboard is a ULEF (Ultra-Low Emission Formaldehyde) raw particleboard. This new product is FSC® certified (Forest Steward Council®) for its chain of custody by NEPCo and ECC™ certified (Eco-Certifies Composite) by the Composite Panel Association (CPA). It is made using 100% pre-consumer recycled or recovered wood fiber. Uniboard's NU Green 2® Particleboard is available in a wide array of melamine colors.

VALIDATED ECO-DECLARATION

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PRODUCT SPECIFICATIONS

References

NU Green 2® Particleboard laminated or not laminated

Final manufacturing location

Sayabec, Quebec G0J 3K0
CANADA

Components

Wood particles, MUF resin, water, scavenger, catalyst and melamine-cellulose

ATTRIBUTES

Recycled Content

Pre-consumer: 82.9% - 85.6%
Post-consumer: 0%

Sourcing of raw materials

The origin and extraction location of raw materials have been documented for 82.9%-85.6% of the final product weight ratio.

Certified Wood

NC-COC-002726

Rapidly renewable materials

-

Biobased materials

-

ENVIRONMENTAL IMPACTS

Life Cycle Assessment

-

Reference service life

-

Product's carbon footprint

-

Environmental Product Declaration

Industry-wide (generic) (Dec. 2018 to Nov. 2023)
ISO 14025:2006, Type III
The EPD excludes the laminated product.

INGREDIENTS AND EMISSIONS

Declaration of

1,000 ppm

Type of declaration HPD® version 2.1.1
Health Product Declaration®
July 2019 to July 2022

Emission test

-

COV

-

Formaldehyde

≤ 0.04 ppm

Others

TSCA Title VI compliant
Ultra-Low Emission
Formaldehyde (ULEF)
Certified

TECHNICAL PERFORMANCES

Performance tests

ANSI A208.1-2016/ ASTM E84

MANUFACTURER'S ENVIRONMENTAL MANAGEMENT

Certification ISO 14001

-

Extended Producer Responsibility

(Take Back Program)

-

Corporate Sustainability Report

(CSR : GRI, ISO 26000, BNQ 21000 or others)

-

CERTIFICATIONS AND CONFORMITIES



The mark of
responsible forestry

TSCA
TITLE VI
COMPLIANT



Uniboard Canada Inc. is a leading North American manufacturer of engineered wood products, with installed capacity of over 660 million square feet of raw particleboard, high-density and medium-density fiberboard, of which over 50% is converted into value-added TFL.

5555, Ernest Cormier Street – Suite 100, Laval, H7C 2S9, QC, Canada

MasterFormat®: **06 42 00**

Validated Eco-Declaration:

VED16-1068-02

Original issue date: **05/2016**

Period of validity: **08/2021 to 08/2022**



ENVIRONMENTAL DATA SHEET

NU GREEN 2® PARTICLEBOARD



PRODUCT CONTRIBUTION SUMMARY

LEED® v4 requirements for Building Design + Construction (BD+C)

New Construction, Core and Shell, School, Retail, Data Centers, Warehouse and Distribution Centers, Hospitality and Healthcare.

LEED® v4 requirements for Interior Design + Construction (ID+C)

Commercial Interiors, Retail and Hospitality.

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			Industry-wide (generic) EPD, Type III The EPD excludes the laminated product.
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MR	Building Product Disclosure and Optimization – Material Ingredients Option 1: Material ingredients reporting (1 point)	Contribute	INGREDIENTS AND EMISSIONS
			HPD® version 2.1.1
INDOOR ENVIRONMENTAL QUALITY		PRODUCT CONTRIBUTIONS	
EQ	Low-Emitting Materials Option 1: Product category calculation (1-3 points) ¹ Number of points is dependant on the LEED rating system and the number of compliant categories. For the Composite Wood category 100% of composite wood not covered by other categories must meet the requirements.	Contribute ¹	INGREDIENTS AND EMISSIONS
			ULEF Certified and CARB Phase 2
LEED® v4 requirements for homes Applies to single family homes, low-rise multi-family (one to three stories), or mid-rise multi-family (four to six stories); includes Homes and Multifamily Lowrise and Multifamily Midrise.			
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EQ Credit 7	Low-Emitting Products ³ At least 90% of all materials in each category must meet credit requirements. NU Green 2® Particleboard contributes to 1point for CARB Phase 2 Compliant and ULEF Certified.	Do not contribute ³	INGREDIENTS AND EMISSIONS
			ULEF Certified and CARB Phase 2

It is important to note that the points identified above are linked with each of the credits where the product contributes as part of a LEED® v4 certification process. The product itself is only one element among others to reach the target score.

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Validated Eco-Declaration:
VED16-1068-02
 Period of validity:
08/2021 to 08/2022



LEED Certification is a globally recognized symbol of achievement for high-performance, green buildings. Developed by the U.S. Green Building Council, LEED (Leadership in Energy and Environmental Design) provides a framework to create healthier, highly efficient, and cost-saving green buildings.

Caesarstone Quartz Surfaces can contribute to a project's pursuit of LEED Certification across the following credits for **LEED v4 BD+C and ID+C**:

Category	Credit	How Caesarstone Contributes																		
Material and Resources (MR)	MR Credit: Building Product Disclosure and Optimization - Sourcing of Raw Materials (1 pt) <i>Intent of Credit</i> To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts. To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner. <i>Option 2. Leadership Extraction Practices</i> <i>Requirements</i> Use products that meet at least one of the responsible extraction criteria below for at least 25%, by cost, of the total value of permanently installed building products in the project. <i>Recycled content.</i> Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation. Products sourced within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost.	The following Caesarstone Quartz Surfaces have received third-party certification from SCS Global Services for Pre-Consumer Recycled Content. Thus, these products can contribute to the LEED calculation for total recycled content used in a project. <table><tr><th>Color</th><th>Min. Recycled Content</th></tr><tr><td>3100 Jet Black</td><td>42% pre-consumer</td></tr><tr><td>5133 Symphony Grey</td><td>3% pre-consumer</td></tr><tr><td>6003 Coastal Grey</td><td>4% pre-consumer</td></tr><tr><td>6011 Intense White</td><td>16% pre-consumer</td></tr><tr><td>6131 Bianco Drift</td><td>2% pre-consumer</td></tr><tr><td>6270 Atlantic Salt</td><td>4% pre-consumer</td></tr><tr><td>6338 Woodlands</td><td>2% pre-consumer</td></tr><tr><td>6611 Himalayan Moon</td><td>3% pre-consumer</td></tr></table> Caesarstone products are manufactured at our three factories located at Sdot Yam, Israel; the Barlev Industrial Zone, Israel; and Richmond Hill, GA, USA. Not all raw materials used in these products have been extracted from within 100 miles of these factories. Please contact the manufacturer if more information is required.	Color	Min. Recycled Content	3100 Jet Black	42% pre-consumer	5133 Symphony Grey	3% pre-consumer	6003 Coastal Grey	4% pre-consumer	6011 Intense White	16% pre-consumer	6131 Bianco Drift	2% pre-consumer	6270 Atlantic Salt	4% pre-consumer	6338 Woodlands	2% pre-consumer	6611 Himalayan Moon	3% pre-consumer
	Color	Min. Recycled Content																		
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6131 Bianco Drift	2% pre-consumer																			
6270 Atlantic Salt	4% pre-consumer																			
6338 Woodlands	2% pre-consumer																			
6611 Himalayan Moon	3% pre-consumer																			

Credit

MR Credit: Building Product Disclosure and Optimization – Material Ingredients (1-2 Points)*Intent of Credit*

To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances.

*Option 1. Material Ingredient Reporting**Requirements*

Use at least 20 different permanently installed products from at least five different manufacturers that use any of the approved programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm), including:

Health Product Declaration. The end use product has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.

How Caesarstone Contributes

Caesarstone has a published and complete Health Product Declaration (HPD) that covers all variations of Caesarstone Quartz Surfaces.

Caesarstone Surfaces by Caesarstone Health Product Declaration v2.1.1
created via HPDC Online Builder

CLASSIFICATION: 12 36 61.19 Furnishings: Quartz Agglomerated Countertops
PRODUCT DESCRIPTION: Caesarstone Ltd. manufactures premium quartz surfaces, which are used in both residential and commercial projects as countertops, vanities, wall cladding, floors and other interior surfaces. Caesarstone combines beauty with outstanding performance, enabling you to bring your design imagination to life. This HPD covers Caesarstone Surfaces in all available models and colors.

Section 1: Summary Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	All Substances Above the Threshold Indicated Are:
☐ Nested Materials Method	☐ 100 ppm	☐ Considered	☐ Characterized ☐ Yes ☒ Ex/SC ☐ Yes ☐ No
☒ Basic Method	☐ 1,000 ppm	☐ Partially Considered	☐ % weight and role provided for all substances except SC substances characterized according to SC guidance.
Threshold Disclosed Per	☐ Per GHS SDS	☐ Not Considered	☐ Screened ☐ Yes ☒ Ex/SC ☐ Yes ☐ No
☐ Material	☐ Per OSHA MSDS	☐ Exempt/Not provided for Residuals/Impurities?	☐ All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.
☒ Product	☐ Other	☒ Yes ☐ No	☐ Identified ☐ Yes ☒ Ex/SC ☐ Yes ☐ No

One or more substances not disclosed by Name (Specific or Generic) and identifier and/or one or more Special Conditions did not follow guidance.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

GREENSCREEN SCORE | HAZARD TYPE

CAESARSTONE SURFACES | QUARTZ (QUARTZ/SILICA) ☒ CAN UNDISCLOSED ☒ UNDISCLOSED ☒ FERRIC UNDISCLOSED ☒ RES CAN (MUL) GEN REP FELDSPAR ☒ CAN (RES) SC MIXED RECYCLED GLASS/MIRROR ☒ FERRIC OXIDE YELLOW ☒ UNDISCLOSED ☒ CAN TITANIUM DIOXIDE ☒ CAN (END KADLIN, CALCINED) ☒ FERRIC OXIDE ☒ CAN ULTRAMARINE PHOSPHOR ☒ SILICIC ACID, ALUMINUM SODIUM SALT, SULFURIZED ☒ IRON OXIDE ☒ CAN IRON MANGANESE TRIOXIDE ☒ TALC (TALC SAND) ☒ CAN SC BASALT GRAVEL ☒

VOLATILE ORGANIC COMPOUND (VOC) CONTENT
VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE (See Section 2 for additional Ratings)
VOC emissions: UL/GreenGuard Gold Certified
Other: ANS/NFPA - Food Equipment Materials

CONSISTENCY WITH OTHER PROGRAMS
Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified? ☐ Yes ☒ No
PREPARED: Self-Prepared
VERIFIER: VERIFICATION: X
SCREENING DATE: 2019-05-01
PUBLISHED DATE: 2019-05-07
EXPIRY DATE: 2022-05-01

Caesarstone Surfaces
hpdrepository.hpd-colaborative.org
HPD v2.1.1 created via HPDC Builder Page 1 of 13

This HPD includes full disclosure of known hazards at an inventory threshold of 1000 ppm, and is available on the [HPD Public Repository](#).

Category Indoor Environmental Quality (EQ)	Credit	How Caesarstone Contributes
	EQ Credit: Low-Emitting Materials (1-3 Points) <i>Intent of Credit</i> To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment. <i>Option 1. Product Category Calculations</i> <i>Option 2. Budget Calculation Method</i> <i>Requirements</i> This credit includes requirements for product manufacturing as well as project teams. It covers volatile organic compound (VOC) emissions in the indoor air and the VOC content of materials, as well as the testing methods by which indoor VOC emissions are determined. Different materials must meet different requirements to be considered compliant for this credit. <i>General emissions evaluation.</i> Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1–2010, using the applicable exposure scenario.	Caesarstone Quartz Surfaces have received GREENGUARD Gold Certification from UL Environment.  UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.

Features:

G0020197

Included Components:

- ☐ Combination G0020197
- ☐ Bowl G0021197
- ☐ Tank G0028197

- Vitreous China
- 12" Rough-in
- Gerber QuietClean™ Flush System delivers quiet operation and a spotless sparkling bowl after each flush
- 3" flush valve for maximum water force
- Fluidmaster® 400A Fill Valve
- Corrosion resistant flapper
- Extra-Large Dual fed siphon jets for high power bowl clearing
- 100% glazed, 2" large trapway for clog-free waste removal
- Double nut, multi-point tank-to-bowl mounting system for tool-free installation
- Chrome metal tank lever with solid durable brass arm
- Elongated closed-front toilet seat with soft-closed cover and quick release
- GC550126 Soft-Closed and quick release Toilet seat included
- G0099857 Plastic Side Cover included



Technical Information:

Configuration	Two-piece, ErgoHeight™ ADA Elongated Toilet
Water per Flush	1.28 gpf (4.8 Lpf)
Rough-In	12"
Height	32 1/2"
Width	16 1/8"
Depth	28 5/8"
Trapway	2"
Large Water Surface	8 11/16" x 6 5/16"
Shipping weight Bowl	83.4 lbs
Shipping weight Tank	32.4 lbs

Accessories: (To be purchased separately)

N/A

Other Tank Options: (To be purchased separately)

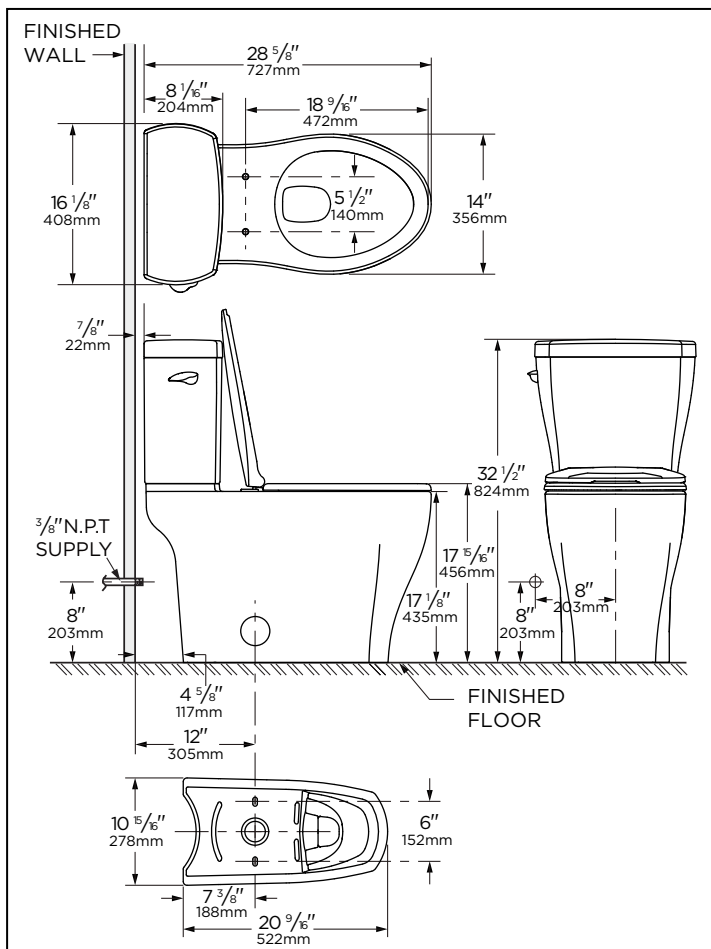
- Tank with Right Hand Lever G002819797

Available Colors:

- White
- Other: Refer to Price Book for additional colors/finishes

Warranty:

- Limited Lifetime on Vitreous China, refer to the website for more details.



NOTES: All dimensions are in inches and millimeters. Illustrations may not be drawn to scale.

IMPORTANT:

Dimensions of fixtures are nominal and may vary within the range of tolerances established by ASME standard A112.19.2/CSA B45.1 THIS FIXTURE QUALIFIES ACCORDING TO ASME TEST PROCEDURES AS A HIGH EFFICIENCY WATER CLOSET WITH AN AVERAGE CONSUMPTION OF 1.28 gpf (4.8 Lpf).

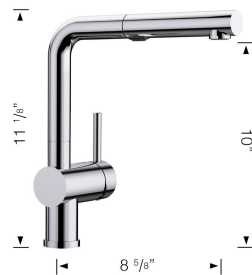


Faucet Specifications

Colour	SKU
Truffle	526371
Metallic Grey	526370
Café	526368
Anthracite	526367
Cinder	526369
Coal Black	526374
White	526373
Biscuit	526372
Concrete Grey	526375

LINUS

SILGRANIT Colour Full Finish



Product Features

- Satin Gold finish available Summer 2022
- Insulated pull-out handspray with dual selectable patterns
- 160° swivel for optimal range of motion
- Solid brass construction
- Ceramic disc cartridge
- 1.5 GPM (Gallons Per Minute) flow rate

Planning information

All faucet parts required for installation are included.

ASME A112.18.1/ CSA B125.1, NSF/ANSI/CAN 61 listed

Warranty

Limited lifetime warranty on all sinks and faucets. One-year warranty on all accessories and soap dispensers.

Code/Standards Compliance

BLANCO sinks and faucets are third-party tested and certified to CSA, cUPC, ANSI/ASME, IAPMO and NSF standards and listed by applicable certification bodies. For more information on individual product listings, contact our office or listing organization.



Need support? Learn more by watching our sink & faucet How-to videos:

<https://www.blanco.com/ca-en/support/how-to-videos/how-to-videos-for-sinks/>



BLANCO Canada Inc
100 Corporation Drive
Brampton ON L6S 6B5

Tel & Fax

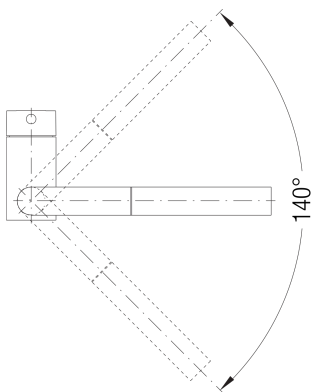
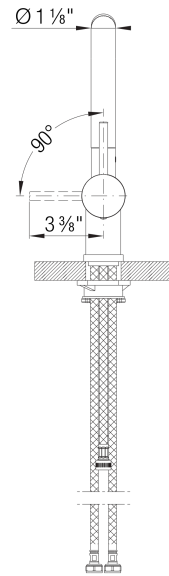
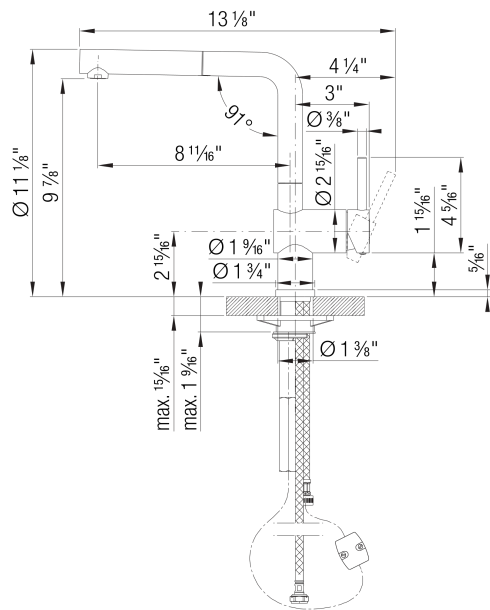
Tel: 905-494-2400 Toll free: 1-877-425-2626

Fax: 905-494-2425 Toll free: 1-877-825-2626

While BLANCO strives to provide accurate information, all images and dimensions in this document are intended for reference only and are subject to change at any time without notice. This document is not intended for use as an installation guide. For technical installation details, refer to installation instructions provided with the product. BLANCO assumes no responsibility for the use of superseded or voided specifications.

LINUS

SILGRANIT Colour Full Finish



SPECIFICATIONS



Features/Benefits

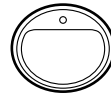
- 1.2 gpm (4.5 L/min) Max Flow @ 60 psi with Laminar Water Stream
- Alternative Flow Rates Available with Spray Water Stream
 - 1.0 gpm (3.8 L/min) When Used with DA613094N Aerator
 - 0.5 gpm (1.9 L/min) When Used with DA613093N Aerator
- 9 3/8" Spout Height, 5" Spout Reach
- Ceramic Disc Cartridge
- Includes Metal Touch-Down Drain Assembly
- Single Hole Mount
- Optional Deck Plate, DA667229, Sold Separately
- Optional Temperature Indicator Included

Available Color/Finishes

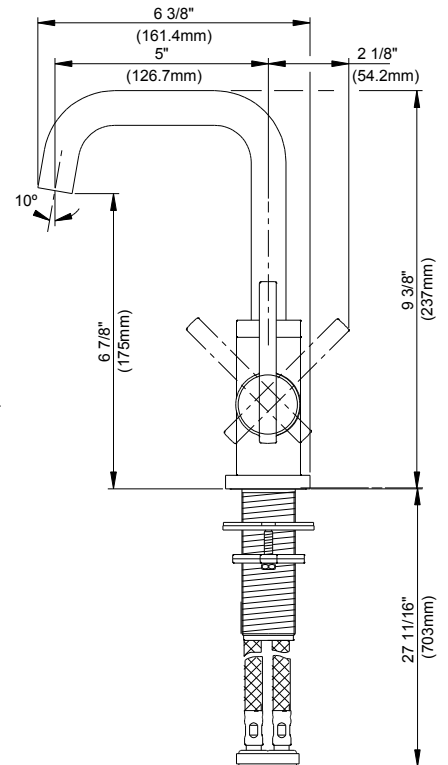
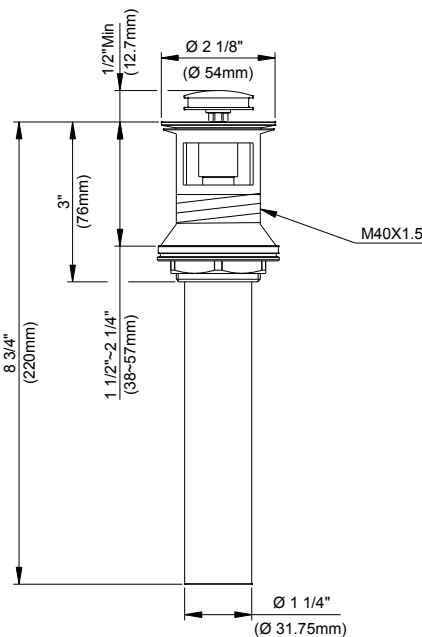
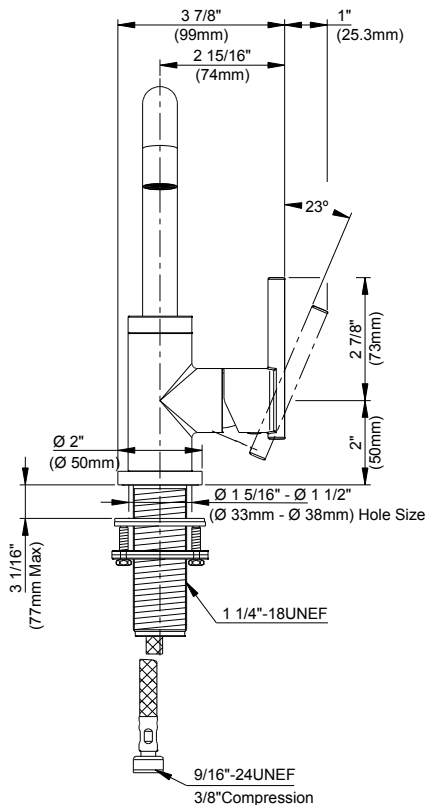
Chrome

Please see gerberonline.com or current price list for available finishes. Finish is defined by additional suffix.

Mount Type



Standards & Certifications



Submittal Information:

Name: _____

Location: _____

Contractor: _____

Contact #: _____

SPECIFICATIONS

Features/Benefits

- 1.75 gpm (6.6 L/min) Max Flow @ 80 psi
- 5 Functions: Wide, Centerjet, Aeration, Massage and Wide + Centerjet
- Dual Valve™ Technology Optimizes Water Flow
- Easy-Glide™ Selector Ring
- Easy Clean Nozzles
- Integral Check Valve
- Angle and Height Adjustable
- Includes Slide Bar, D469700, Handshower, D462034, and 72" Metal Shower Hose, D469020
- Supply Elbow Sold Separately



Available Color/Finishes

Color Description

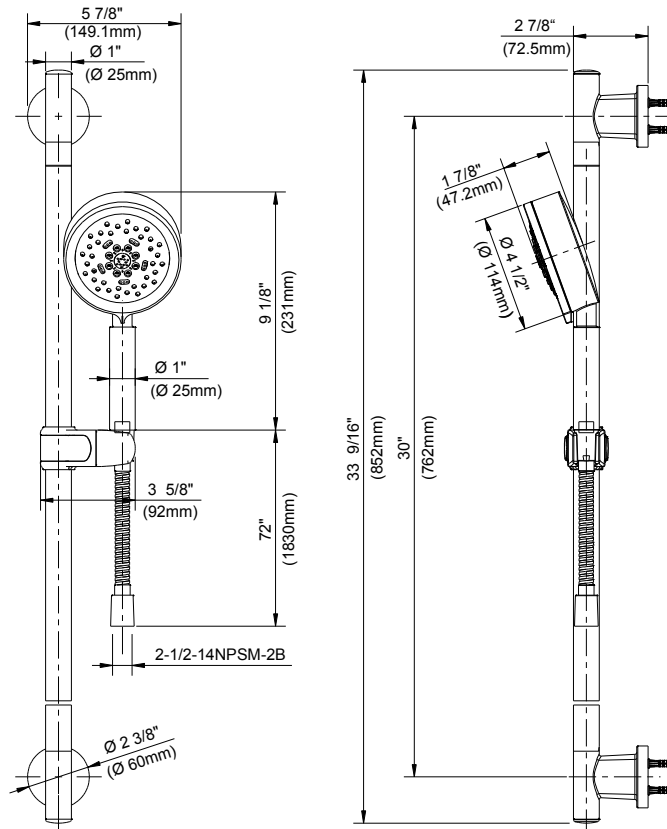
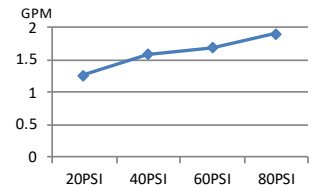
 Chrome

Please see gerberonline.com or current price list for available finishes. Finish is defined by additional suffix.

Standards & Certifications



Flow Rate



Submittal Information:

Name: _____
Location: _____

Contractor: _____
Contact #: _____

SPECIFICATIONS

Features/Benefits

- Diverter on Valve
- Requires Gerber Treysta® Rough-In, G00GS555S (Horizontal Inputs) or G00GS557S (Vertical Inputs), Sold Separately
- Includes Treysta® Ceramic Disc Pressure Balance Cartridge
- 6" Metal Shower Arm (D510058LSTC Only)
- 6 1/2" Tub Spout, D606558 (D510058LSTC Only)
- Finish-Matched Deep Wall Kit, D113001, Sold Separately
- Finish-Matched Shallow Wall Kit, GA663B11, Sold Separately

Available Color/Finishes

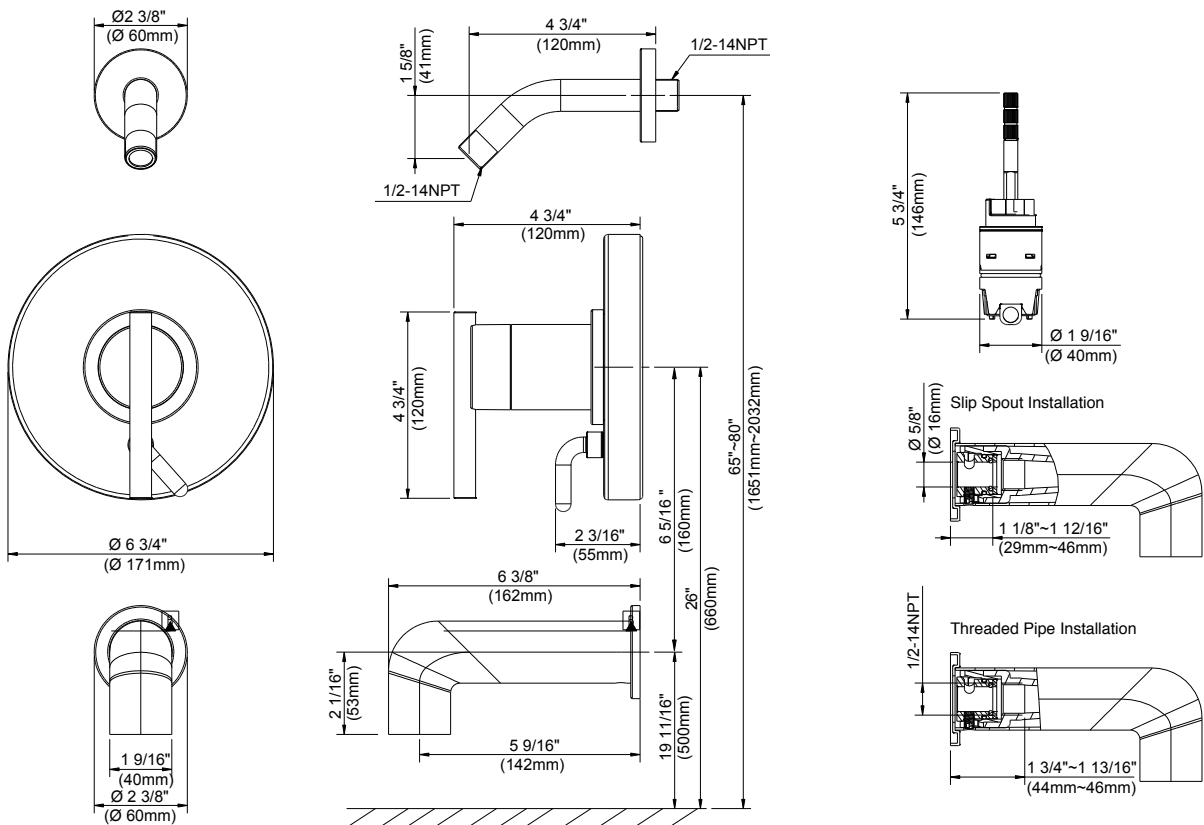
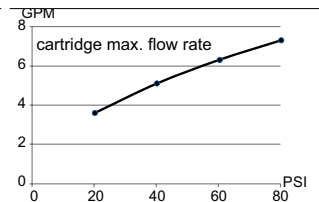
Color	Description
	Chrome
Please see gerberonline.com or current price list for available finishes. Finish is defined by additional suffix.	

Standards & Certifications



(Lever Handle)

Flow Rate



Submittal Information:

Name: _____ Contractor: _____
 Location: _____ Contact #: _____

SPECIFICATIONS



Features/Benefits

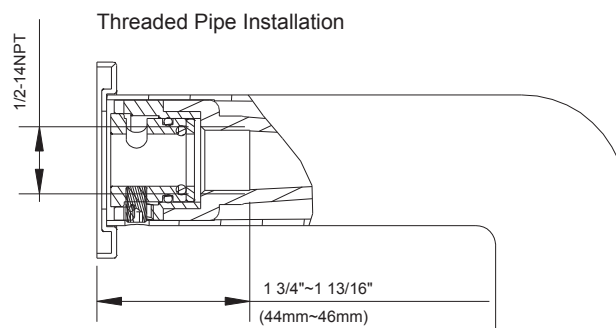
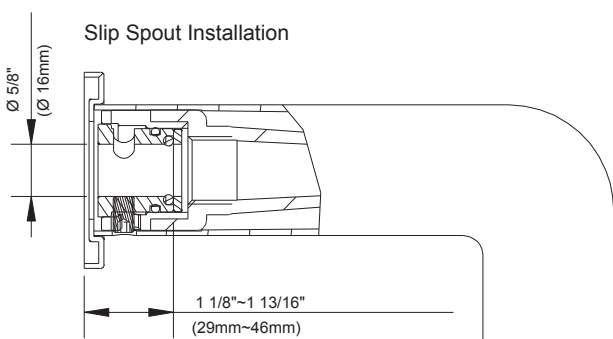
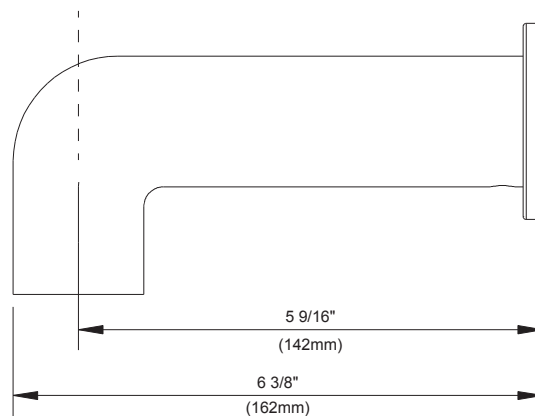
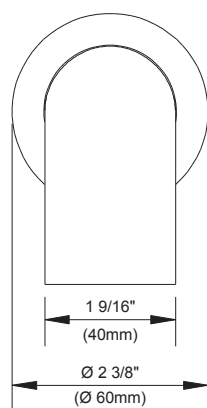
- Fits 1/2" Copper or 1/2" IPS Stub Out Nipple
- 6 3/8" Spout Length
- All Metal Body

Available Color/Finishes

Color	Description
-------	-------------

	Chrome
---	--------

Please see gerberonline.com or current price list for available finishes. Finish is defined by additional suffix.



Submittal Information:

Name: _____

Contractor: _____

Location: _____

Contact #: _____

Prism® Ultimate Performance Grout

1 Product Name

Prism® Ultimate Performance Grout

2 Manufacturer

Custom Building Products
 Technical Services
 10400 Pioneer Boulevard, Unit 3
 Santa Fe Springs, CA 90670
 Customer Support: 800-272-8786
 Technical Services: 800-282-8786
 Fax: 800- 200-7765
 Email: contactus@cbpmail.net
custombuildingproducts.com

3 Product Description

Prism® Ultimate Performance Grout sets a new standard in cement based grout technology. Prism's calcium Aluminate cement based, latex polymer-modified formula offers consistent color with no shading regardless of tile type, temperature or humidity, and it will not effloresce. The rapid setting formula results in high early strength and dense joints for the highest stain resistance in grout joints up to 1/2". A unique blend of lightweight recycled glass and fine aggregate sand allows for a smooth consistency that is easy to spread and clean.

Key Features

- Uniform consistent color
- Won't mottle or shade regardless of tile type, temperature or humidity
- Produces stain resistant, dense grout joints
- No efflorescence
- Lightweight for superior handling
- Fast setting, walkable in four hours
- 17 lbs. (7.71 kg) box covers the same area as a typical 25 lb. bag of conventional grout
- No sealer required

Uses

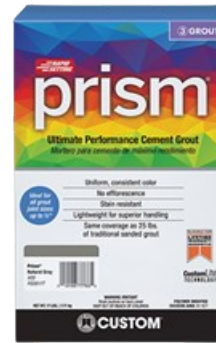
- Use to fill joint widths up to 1/2" (13 mm)
- May be used for both floor and wall installations
- Interior and exterior applications
- Residential and commercial applications
- Countertops, tub surrounds, showers and high traffic areas
- Submerged conditions (swimming pools, spas, water features and fountains)

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile
- Impervious porcelain and glass tile
- Brick and thin brick
- Precast terrazzo
- Natural stone tile

Composition of Product

Prism® grout is a blend of specialty cements, recycled aggregates and chemicals.



Benefits of Product in the Installation

- Hard, dense grout joints
- Resists shrinking, cracking, powdering and wear
- Consistent color without shading or efflorescence
- Cures quickly, developing high early strength
- 32% lighter than typical grouts; excellent handling characteristics
- Contains 15% (by weight) post-consumer recycled material

Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Some ceramic, glass, metal, marble or stone tiles can be scratched or damaged by the lightweight aggregate filler. Perform a test on a small area prior to use. [Polyblend® NonSanded Grout](#) may be appropriate for joints up to 1/8" or for tile not suited for sanded grout.
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. Use [Aqua Mix® Grout Release](#) or [Tilelab® SurfaceGard® Sealer](#) to prevent staining when required.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use [CEG-IG 100% Solids Epoxy Grout](#).
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as [Commercial 100% Silicone Caulk](#) or [Ceramic Tile Caulk](#).

Packaging

- 17 lb (7.71 kg) box containing two (2) 8.5 lb (3.85 kg) sealed bags
- 6.8 lb (3.1 kg) box containing one (1) bag (15 colors in Canada Only)
- Available in 40 standard colors. Color matching is available.



Prism® Ultimate Performance Grout

4 Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.10 & A118.7 of the American National Standards for the Installation of Ceramic Tile
ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength

Approvals

Prism® Ultimate Performance Grout meets ANSI A118.6 and A118.7 standards.

Technical Chart

Property	Test Method	Requirement	Typical Results
Pot Life			60-90 Minutes
Shrinkage	A118.7 Section 3.3	< 0.20%	<0.2%
Water Absorption	A118.7 Section 3.4	< 5%	<5%
Compressive Strength	A118.7 Section 3.5	> 3000 psi	>3000 psi (209.4 kg/cm sq.)
Tensile Strength	A118.7 Section 3.6	> 500 psi	>500 psi (35.2 kg/cm sq)
Flexural Strength	A118.7 Section 3.7	> 1000 psi	>1000 psi (70.5 kg/cm sq.)

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

5 Instructions

General Surface Prep

USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

Tile or stone must be firmly bonded to a sound substrate, and setting material must be cured a minimum 24-48 hours before cement grout is applied, unless rapid-setting mortars are used. See the corresponding data sheet for the bonding mortars used in your application. Remove spacers and ensure that the grout joints are uniform in depth and width and free of loose debris, contaminants and excess mortar. Use [TileLab® SurfaceGard® Sealer](#) or [Aqua Mix® Grout Release](#) to seal tile or stone subject to staining or when using a grout that contrasts with the color of the tile.

Mixing Ratios

Mix 4-5 pt (1.89-2.36 L) clean water to 17 lb (7.71 kg) box. Mix only with cool, potable water.

Published Date: 5/27/2021

Mixing Procedures

When installing more than 1 container of grout at a time, blend dry powders prior to mixing with water. Mix with a trowel or low speed mixer (less than 300 rpm) to achieve a smooth, lump-free consistency. Let the mixture stand (slake) for 5 minutes, and then remix and use. Periodically remix to keep the mixture workable, but do not add water, which can weaken the grout, cause color variation and possible cause shrinkage, cracks and pinholes. Discard grout when it becomes too stiff to work.

Application of Product

Installation must conform to ANSI A108.10. Lightly dampen absorptive, highly porous tile with clean, cool water, but leave no standing water in the joints. Holding a rubber grout float at a 45° angle, completely fill the joints. Holding the edge of the float at a 90° angle, remove excess grout. At 70° F, do not spread more grout than can be cleaned within 30 minutes of the grout firming and use as little water as possible for grout clean-up (higher temperatures may shorten this time frame). Using a damp, small pore grout sponge in a circular motion, smooth and level joints and remove excess grout. Change the water and rinse the sponge frequently. Haze can be removed after 3 hours with cheesecloth or wrung-out sponge. To clean residual grout haze from tiles, the installation can be cleaned after 24 hours using Aqua Mix® Non Cement Grout Haze Remover or [Aqua Mix® Grout Haze Clean-Up](#). These products may also be used in combination with [Aqua Mix® NanoScrub®](#) or heavier residue. Perform a test in an inconspicuous area prior to complete application. See product technical data sheets for usage and application.

Curing of Product

Curing time is affected by ambient and surface temperatures and humidity. Use the following as a guideline. For exterior applications in hot, dry and windy conditions, it is recommended that the installation is periodically misted with clean, cool water for 3 days. Can be subjected to intermittent water exposure after 3 days. For submerged applications, allow grout to cure for 14 days before filling the area with water.

Exterior applications must be protected from rain, snow and other wet conditions for at least 7 days with temperature above 50° F (10° C). If inclement weather is expected, protect the work area with tenting at least 1 foot (30 cm) above the finished surface to allow air flow. Enclose and protect installations and maintain >50° F (10° C) temperatures for at least 72 hours for proper cure.

Sealing of Grout

When enhanced stain protection is desired, use a pH-neutral, water-based sealer such as AquaMix Sealer's Choice Gold or TileLab SurfaceGard. Allow grout to cure at least 48 hours prior to sealing.

Cleaning of equipment

Clean tools and hands with water before the material dries.



Prism® Ultimate Performance Grout

Health Precautions

This product contains Portland cement. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. Use with adequate ventilation; do not breathe dust and wear a NIOSH approved respirator. If ingested, do not induce vomiting; call a physician immediately.

Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

6 Availability & Cost

Location	Item Code	Size	Grout Color	Package
USA	PG0917T	17 lb (7.71 kg)	#9 Natural Gray	Box
USA	PG1017T	17 lb (7.71 kg)	#10 Antique White	Box
USA	PG1117T	17 lb (7.71 kg)	#11 Snow White	Box
USA	PG1917T	17 lb (7.71 kg)	#19 Pewter	Box
USA	PG5217T	17 lb (7.71 kg)	#52 Tobacco Brown	Box
USA	PG5917T	17 lb (7.71 kg)	#59 Saddle Brown	Box
USA	PG6017T	17 lb (7.71 kg)	#60 Charcoal	Box
USA	PG9517T	17 lb (7.71 kg)	#95 Sable Brown	Box
USA	PG10517T	17 lb (7.71 kg)	#105 Earth	Box
USA	PG11517T	17 lb (7.71 kg)	#115 Platinum	Box
USA	PG12217T	17 lb (7.71 kg)	#122 Linen	Box
USA	PG13517T	17 lb (7.71 kg)	#135 Mushroom	Box
USA	PG14517T	17 lb (7.71 kg)	#145 Light Smoke	Box
USA	PG16517T	17 lb (7.71 kg)	#165 Delorean Gray	Box
USA	PG17217T	17 lb (7.71 kg)	#172 Urban Putty	Box
USA	PG18317T	17 lb (7.71 kg)	#183 Chateau	Box
USA	PG18517T	17 lb (7.71 kg)	#185 New Taupe	Box

USA	PG18617T	17 lb (7.71 kg)	#186 Khaki	Box
USA	PG33317T	17 lb (7.71 kg)	#333 Alabaster	Box
USA	PG33517T	17 lb (7.71 kg)	#335 Winter Gray	Box

USA	PG37017T	17 lb (7.71 kg)	#370 Dove Gray	Box
USA	PG38017T	17 lb (7.71 kg)	#380 Haystack	Box
USA	PG38117T	17 lb (7.71 kg)	#381 Bright White	Box
USA	PG38217T	17 lb (7.71 kg)	#382 Bone	Box
USA	PG38617T	17 lb (7.71 kg)	#386 Oyster Gray	Box
USA	PG40117T	17 lb (7.71 kg)	#540 Truffle	Box
USA	PG54117T	17 lb (7.71 kg)	#541 Walnut	Box
USA	PG54217T	17 lb (7.71 kg)	#542 Graystone	Box
USA	PG54317T	17 lb (7.71 kg)	#543 Driftwood	Box
USA	PG54417T	17 lb (7.71 kg)	#544 Rolling Fog	Box
USA	PG54517T	17 lb (7.71 kg)	#545 Bleached Wood	Box
USA	PG54617T	17 lb (7.71 kg)	#546 Cape Gray	Box
USA	PG64017T	17 lb (7.71 kg)	#640 Arctic White	Box
USA	PG64117T	17 lb (7.71 kg)	#641 Cool White	Box
USA	PG64217T	17 lb (7.71 kg)	#642 Ash	Box
USA	PG64317T	17 lb (7.71 kg)	#642 Warm Gray	Box
USA	PG64417T	17 lb (7.71 kg)	#644 Shadow	Box
USA	PG64517T	17 lb (7.71 kg)	#645 Steel Blue	Box
USA	PG64617T	17 lb (7.71 kg)	#646 Coffee Bean	Box
USA	PG64717T	17 lb (7.71 kg)	#647 Brown Velvet	Box



CUSTOM®

Prism® Ultimate Performance Grout

Canada	CPG0917	17 lb (7.71 kg)	#09 Natural Gray	Box
Canada	CPG1017	17 lb (7.71 kg)	#10 Antique White	Box
Canada	CPG10517	17 lb (7.71 kg)	#105 Earth	Box
Canada	CPG1117	17 lb (7.71 kg)	#11 Snow White	Box
Canada	CPG11517	17 lb (7.71 kg)	#115 Platinum	Box
Canada	CPG12217	17 lb (7.71 kg)	#122 Linen	Box
Canada	CPG13517	17 lb (7.71 kg)	#135 Mushroom	Box
Canada	CPG14517	17 lb (7.71 kg)	#145 Light Smoke	Box
Canada	CPG16517	17 lb (7.71 kg)	#165 Delorean Gray	Box
Canada	CPG17217	17 lb (7.71 kg)	#172 Urban Putty	Box
Canada	CPG18317	17 lb (7.71 kg)	#183 Chateau	Box
Canada	CPG18517	17 lb (7.71 kg)	#185 New Taupe	Box
Canada	CPG18617	17 lb (7.71 kg)	#186 Khaki	Box
Canada	CPG1917	17 lb (7.71 kg)	#19 Pewter	Box
Canada	CPG2217	17 lb (7.71 kg)	#22 Sahara Tan	Box
Canada	CPG33317	17 lb (7.71 kg)	#333 Alabaster	Box
Canada	CPG33517	17 lb (7.71 kg)	#335 Winter Gray	Box
Canada	CPG37017	17 lb (7.71 kg)	#370 Dove Gray	Box
Canada	CPG38017	17 lb (7.71 kg)	#380 Haystack	Box
Canada	CPG38117	17 lb (7.71 kg)	#381 Bright White	Box
Canada	CPG38217	17 lb (7.71 kg)	#382 Bone	Box

Canada	CPG38617	17 lb (7.71 kg)	#386 Oyster Gray	Box
Canada	CPG5217	17 lb (7.71 kg)	#52 Tobacco Brown	Box
Canada	CPG54017	17 lb (7.71 kg)	#540 Truffle	Box
Canada	CPG54117	17 lb (7.71 kg)	#541 Walnut	Box
Canada	CPG54217	17 lb (7.71 kg)	#542 Graystone	Box
Canada	CPG54317	17 lb (7.71 kg)	#543 Driftwood	Box
Canada	CPG54417	17 lb (7.71 kg)	#544 Rolling Fog	Box
Canada	CPG54517	17 lb (7.71 kg)	#545 Bleached Wood	Box
Canada	CPG54617	17 lb (7.71 kg)	#546 Cape Gray	Box
Canada	CPG5917	17 lb (7.71 kg)	#59 Saddle Brown	Box
Canada	CPG64017	17 lb (7.71 kg)	#640 Arctic White	Box
Canada	CPG64117	17 lb (7.71 kg)	#641 Cool White	Box
Canada	CPG64217	17 lb (7.71 kg)	#642 Ash	Box
Canada	CPG64317	17 lb (7.71 kg)	#643 Warm Gray	Box
Canada	CPG64417	17 lb (7.71 kg)	#644 Shadow	Box
Canada	CPG64517	17 lb (7.71 kg)	#645 Steel Blue	Box
Canada	CPG64617	17 lb (7.71 kg)	#646 Coffee Bean	Box
Canada	CPG64717	17 lb (7.71 kg)	#647 Brown Velvet	Box
Canada	CPG6017	17 lb (7.71 kg)	#60 Charcoal	Box
Canada	CPG9517	17 lb (7.71 kg)	#95 Sable Brown	Box


CUSTOM®

Prism® Ultimate Performance Grout

Canada	#09 Natural Gray	CPG0968-4	6.8 lb (3.1 kg)	Box
Canada	#11 Snow White	CPG1168-4	6.8 lb (3.1 kg)	Box
Canada	#19 Pewter	CPG1968-4	6.8 lb (3.1 kg)	Box
Canada	#60 Charcoal	CPG6068-4	6.8 lb (3.1 kg)	Box
Canada	#115 Platinum	CPG11568-4	6.8 lb (3.1 kg)	Box
Canada	#122 Linen	CPG12268-4	6.8 lb (3.1 kg)	Box
Canada	#165 Delorean Gray	CPG16568-4	6.8 lb (3.1 kg)	Box
Canada	#380 Haystack	CPG38068-4	6.8 lb (3.1 kg)	Box
Canada	#381 Bright White	CPG38168-4	6.8 lb (3.1 kg)	Box
Canada	#382 Bone	CPG38268-4	6.8 lb (3.1 kg)	Box
Canada	#386 Oyster Gray	CPG38668-4	6.8 lb (3.1 kg)	Box
Canada	#544 Rolling Fog	CPG54468-4	6.8 lb (3.1 kg)	Box
Canada	#640 Arctic White	CPG64068-4	6.8 lb (3.1 kg)	Box
Canada	#646 Coffee Bean	CPG64668-4	6.8 lb (3.1 kg)	Box
Canada	#647 Brown Velvet	CPG64768-4	6.8 lb (3.1 kg)	Box

See our color card for truest color representation when selecting or specifying a grout color. Final installed shade may vary with the tile type, color and porosity as well as jobsite conditions and finishing techniques. For best results, perform a test on a small, inconspicuous area or create a sample board prior to installation.

10 Filing System

Additional product information is available from the manufacturer upon request.

Related Products

Ceramic Tile Caulk

Commercial 100% Silicone Sealant

TileLab® SurfaceGard® Sealer

7 Product Warranty

Obtain the applicable **LIMITED PRODUCT WARRANTY** at www.custombuildingproducts.com/product-warranty or send a written request to Custom Building Products, Inc., Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of Custom Building Products, Inc. © 2017 Quikrete International, Inc.

8 Product Maintenance

Clean with a pH-neutral cleaner such as [Aqua Mix Concentrated Tile & Stone Cleaner](#) or [TileLab Grout & Tile Cleaner](#).

9 Technical Services Information

For technical assistance, contact Custom® technical services at 800-272-8786 or visit custombuildingproducts.com.



Prism® Ultimate Performance Grout

Coverage

For 17 lb. box of Prism in ft² (m²) per box

Tile Size	Joint Width					
	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
Width x Length x Thickness						
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	96 ft ² (8.9 m ²)	54 ft ² (5 m ²)	40 ft ² (3.7 m ²)	33 ft ² (3.1 m ²)	27 ft ² (2.5 m ²)	24 ft ² (2.2 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	181 ft ² (16.8 m ²)	96 ft ² (8.9 m ²)	68 ft ² (6.3 m ²)	54 ft ² (5.0 m ²)	40 ft ² (3.7 m ²)	33 ft ² (3.1 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	266 ft ² (24.7 m ²)	138 ft ² (12.9 m ²)	96 ft ² (8.9 m ²)	74 ft ² (7 m ²)	54 ft ² (5 m ²)	43 ft ² (4 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	372.4 ft ² (34.6 m ²)	192 ft ² (17.8 m ²)	131 ft ² (12.2 m ²)	101 ft ² (9.4 m ²)	71 ft ² (6.6 m ²)	56 ft ² (5.2 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	521 ft ² (48.4 m ²)	266 ft ² (24.7 m ²)	181 ft ² (16.8 m ²)	139 ft ² (12.9 m ²)	96 ft ² (8.9 m ²)	75 ft ² (7.0 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	461 ft ² (42.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)	83 ft ² (7.7 m ²)	64 ft ² (6 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	688 ft ² (63.9 m ²)	348 ft ² (32.3 m ²)	234 ft ² (21.7 m ²)	177 ft ² (16.5 m ²)	121 ft ² (11.2 m ²)	92 ft ² (8.6 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	915 ft ² (85 m ²)	462 ft ² (42.8 m ²)	310 ft ² (28.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	1028 ft ² (95.5 m ²)	518 ft ² (48.1 m ²)	348 ft ² (32.3 m ²)	262 ft ² (24.4 m ²)	177 ft ² (16.5 m ²)	135 ft ² (12.5 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	1142 ft ² (106.1 m ²)	574 ft ² (53.4 m ²)	385 ft ² (35.8 m ²)	291 ft ² (27 m ²)	196 ft ² (18.2 m ²)	149 ft ² (13.8 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	1369 ft ² (127.2 m ²)	688 ft ² (63.9 m ²)	461 ft ² (42.8 m ²)	348 ft ² (32.3 m ²)	234 ft ² (21.7 m ²)	177 ft ² (16.5 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	552 ft ² (51.3 m ²)	279 ft ² (26 m ²)	189 ft ² (17.5 m ²)	143 ft ² (13.3 m ²)	98 ft ² (9.1 m ²)	75 ft ² (7 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	915 ft ² (85 m ²)	461 ft ² (42.8 m ²)	310 ft ² (28.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	591 ft ² (54.9 m ²)	299 ft ² (27.8 m ²)	202 ft ² (18.7 m ²)	153 ft ² (14.2 m ²)	104 ft ² (9.7 m ²)	80 ft ² (7.4 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	824 ft ² (76.6 m ²)	416 ft ² (38.6 m ²)	279 ft ² (26 m ²)	211 ft ² (19.6 m ²)	143 ft ² (13.3 m ²)	109 ft ² (10.2 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	1096 ft ² (101.9 m ²)	552 ft ² (51.3 m ²)	370 ft ² (34.4 m ²)	279 ft ² (26 m ²)	189 ft ² (17.5 m ²)	143 ft ² (13.3 m ²)

Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more tile and joint sizes, use the [Material Calculator](#) at CustomBuildingProducts.com or contact CUSTOM Technical Services at [800-282-8786](tel:800-282-8786).



CUSTOM®

UZIN. YOUR FLOOR. OUR PROMISE.



Premium Universal Flooring Adhesive

UZIN KE 2000 S

Universal adhesive for all types of common floor coverings

Description:

UZIN KE 2000 S is a premium, universal adhesive, designed for the installation of various floor coverings on porous and nonporous substrates. UZIN KE 2000 S has high shear strength, excellent resistance to plasticizers and is quick drying allowing for fast installations. This installer friendly adhesive is low odor and easy to trowel, it is ideal for use in occupied buildings such as healthcare and educational facilities. UZIN KE 2000 S can be used in commercial and residential applications. For interior use only.

Suitable for:

- ▶ Vinyl flooring, sheet or tile
- ▶ Carpet coverings with common backings
- ▶ Linoleum up to 1/8" (3 mm)
- ▶ Vinyl and cushion backed sheet or tiles
- ▶ Luxury Vinyl Tile (LVT)
- ▶ Vinyl Composition Tile (VCT)
- ▶ Interior residential i.e. apartments, condominiums, houses
- ▶ Interior commercial i.e. offices, hospitals, schools, universities, libraries and government buildings

Suitable on:

- ▶ Porous and nonporous substrates
- ▶ Cement-based self-leveling compounds and patch
- ▶ Properly prepared and primed gypsum substrates that meet the ASTM F2419 requirements for compressive strength*
- ▶ Resilient insulating and sound control underlays
- ▶ Radiant-heat systems (hydronic or electric)

*Depending on floor covering manufacturer's requirements.

Product Properties:

UZIN KE 2000 S is a premium, universal adhesive with high shear and plasticizer resistance. UZIN KE 2000 S is a low odor adhesive.

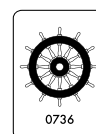


UZIN ÖKOLINE



www.blauer-engel.de/uz12a

LEED®
contributing
product



Features

- Universal
- High moisture resistance
- Plasticizer resistant
- High coverage
- High solids content
- Meets strict EMICODE criteria
- Compliant with California Sect. 01350 Standard
- Low VOC, less than 20 g/l, meets SCAQMD rule 1168

Benefits

- Install most floor coverings
- For use up to 85% RH*
- Minimizes the risk of shrinkage
- Cost saving
- Excellent bond strength
- Healthy indoor air quality
- LEED v4 contributing product (EQc2 – low emitting materials)
- Protects the environment, LEED v4 contributing product (EQc2 – low emitting materials)

*See; "Important Notes" for additional information.

Technical Data:

Packaging:	3 gal. / 14 kg / 11.35 l plastic pail
Storage:	minimum 12 months when stored in original packaging at 73°F (23°C)
Color:	white
Coverage:	approx. 225 – 630 sq. ft./pail, approx. 75 – 210 sq. ft./gal. (239 – 676 g/m ²)
Minimum working temperature:	65°F (10°C) on floor
Ideal working temperature:	64 – 77°F (18 – 25°C) on floor
Flash time:	see reverse (Coverage:)
Working time:	approx. 15 minutes – 2 hours*
Set to traffic:	after 24 – 72 hours*
Final strength:	after 5 days*
Welding/sealing joints:	after 24 hours*
Flash point (ASTM D56):	> 300°F (> 150°C)
Percent Solids:	> 70 %
VOCs (Rule #1168 of California's SCAQMD):	< 20 g/l

*At 70°F (21°C) and 65% relative humidity.

Coverage is approximate and could vary depending on substrate porosity and the angle at which trowel is held.

Flash time, is the waiting time required before installing flooring.

Working time, is the window of time for the adhesive to accept flooring.

Note: Flash time and working time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

Substrate Preparation:

The subfloor must be structurally sound, solid, dry, free from active cracks, clean and free of all contaminants such as grease, oil, paint, wax, curing and sealing compounds that would impair adhesion. Test the substrate in accordance with applicable standards relative to moisture content. Any weakly bonded or soft surface material such as loose patching compounds, leveling compounds, floor coverings or coatings must be removed by shot blasting, abrading, grinding or wet scraping. Thoroughly vacuum off all loose material or dust. **CAUTION:** Do not sand or grind adhesive residue, as harmful dust may result. Inhalation of asbestos dust may cause asbestosis or other serious bodily harm. Refer to the Resilient Floor Covering Institute's publication "Recommended Work Practices for Removal of Resilient Floor Coverings" for instructions. Select a suitable primer and leveling compound from the UZIN Product Guide according to surface type and condition or seek technical assistance. It is always recommended to test for moisture content of the existing substrate to ensure that it meets the floor covering manufacturer's requirements. Concrete floors must be fully cured, free from dust, moisture, excessive alkalinity and curing agents. Do not install when the moisture vapor emission rate (MVER) exceeds 6 lbs. per 1,000 sq. ft. (2.72 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). Do not install when relative humidity of concrete slabs exceeds 85% (ASTM F2170). Refer to the Product Data Sheets for other products used.

Application:

1. All flooring materials and area of work should be maintained at a minimum temperature of 65°F, for 48 hours prior to, during, and after installation. Apply the adhesive on the subfloor (porous or nonporous) with an UZIN recommended adhesive notched trowel*. Because of using the wet-set method of installation, test the adhesive to see if it is moist to the touch before installing the floor covering. It is the responsibility of the installer to apply the correct amount of adhesive for the job condition.
2. When installing sheet flooring, lay covering into adhesive and immediately roll the entire floor with a 100 lb. roller. Roll the floor covering twice, once in each direction. Ensure that severe roll end curl and lifting edges are dealt with during bonding. When installing tile flooring, lay covering into adhesive and roll within 15 minutes of installation (using a 100 lb. roller). Roll the floor covering twice, once in each direction. Ensure that lifting edges are dealt with during bonding. Work off the flooring or use knee boards to minimize floor indentations and movement. In either installation method ensure that air is not trapped beneath the covering. Periodically check back of floor covering to ensure >80% adhesive transfer.

*Tip: Immediately after trowel applying the adhesive, roll it with a short nap roller (dampened with adhesive) to flatten trowel ridges. This procedure will ensure that the trowel notch pattern does not telegraph through to the finished floor.

Coverage:

Ensure proper adhesive coverage and transfer. Most resilient flooring types require >80% transfer. Trowel sizes listed, are suggested to maximize coverage of adhesive.

Vinyl sheet goods – Homogeneous vinyl backed	Luxury vinyl tile (LVT)	Vinyl composition tile (VCT)	Linoleum (jute backed) up to 1/8" (3 mm) thick	Rubber sheet goods, max. 3/16" (4 mm) thick
Coverage* 185 – 210 sq. ft./gal.	Coverage* 160 – 185 sq. ft./gal.	Coverage* 160 – 185 sq. ft./gal.	Coverage* 110 – 135 sq. ft./gal.	Coverage* 130 – 155 sq. ft./gal.
Flash Time 10 – 20 min*	Flash Time 10 – 45 min*	Flash Time 10 – 45 min*	Flash Time 10 – 45 min*	Flash Time 15 – 45 min*
 1/32" x 1/16" x 5/64"	 1/32" x 1/16" x 1/32"	 1/32" x 1/16" x 1/32"	 3/32" x 3/32" x 3/32"	 1/16" x 1/16" x 1/16"

Broadloom double stick	Carpet pad double stick	Cushion backed carpet (vinyl & urethane)	Woven & Hot melt backed carpet	Non woven broadloom carpet
Coverage* 75 – 90 sq. ft./gal.	Coverage* 185 – 210 sq. ft./gal.	Coverage* 130 – 155 sq. ft./gal.	Coverage* 110 – 135 sq. ft./gal.	Coverage* 110 – 135 sq. ft./gal.
Flash Time 5 – 45 min*	Flash Time 10 – 20 min*	Flash Time 5 – 45 min*	Flash Time 5 – 45 min*	Flash Time 5 – 45 min*
 1/8" x 1/8" x 1/8"	 1/32" x 1/16" x 5/64"	 1/16" x 1/16" x 1/16"	 3/32" x 3/32" x 3/32"	 3/32" x 3/32" x 3/32"

* At 70°F (21°C) and 65% relative humidity, on substrates smoothed with UZIN NC 170 LevelStar and tempered adhesive containers.
Coverage is approximate and could vary depending on substrate porosity and the angle at which trowel is held.

Important Notes:

- Storage: minimum 12 months, when stored in original packaging at 73°F (23°C). Protect from freezing. Tightly re-seal opened containers and use the contents as quickly as possible. Allow adhesive to reach room temperature before use.
 - Optimum working conditions are 70°F (20 – 25°C) room temperature, minimum floor temperature of 60°F (15°C) and relative humidity below 65%. Low temperatures and high humidity will delay, while high temperatures and low humidity will shorten the working time.
 - Frost resistance (5 cycles) 14°F (-10°C).
 - Do not install when the moisture vapor emission rate (MVER) exceeds 6 lbs. per 1,000 sq. ft. (2,72 kg per 92.9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869). Do not install when relative humidity of concrete slabs exceeds 85% (ASTM F2170).
 - Do not apply over any adhesive residues including cutback adhesive.
 - The coverings must be sufficiently acclimatized per the flooring manufacturers recommendations.
 - Ensure that severe roll end curl and lifting edges are dealt with during bonding.
 - The following standards, regulations and publications are applicable and especially recommended:
 - ASTM F1482-04(2009)e1 "Standard Practice for Installation and Preparation of Panel Type Underlayments to Receive Resilient Flooring"
 - ASTM F710-11 "Standard Practice for Preparing Concrete Floors To Receive Resilient Flooring"
 - ASTM F1869-11 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride"
 - ASTM F2170-11 "Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes"
- CRI Green Label Plus #GLP12617. Refer to CRI website at www.carpet-rug.org for additional information.
- RFCI IP #1, Recommended Installation Practice for Homogeneous Sheet Flooring
 - RFCI IP #2, Recommended Installation Practice for Vinyl Composition Tile (VCT)
 - CRI #104, Standard for Installation Specification of Commercial Carpet

Protection of the Workplace and the Environment:

Water based adhesive, with a VOC content less than 20 grams per liter. Suitable as a substitute material for high solvent content adhesives used for flooring installations.

Precautions:

Carefully read and follow all precautions and warnings on the product label. For complete safety information, please refer to the Safety Data Sheet (SDS) available at www.uzin.us.

Disposal:

Disposal should be in accordance with local, state and federal regulations. Where possible, collect product residues and re-use. Do not allow into drains, waterways or landfill. Empty plastic containers are recyclable.

The above information is based on our experience and testing. Uzin Utz North America, Inc. is not responsible for the variety of associated materials and variable construction and working conditions that occur on jobsites. The quality of your work depends on your own professional judgment and product usage. If in doubt of any application recommendation or instruction, conduct a small test or obtain technical advice. Observe the installation recommendations of the floor covering manufacturer. The publication of this product data sheet invalidates all previous product information.



Tarkett 946 Premium Contact Adhesive

Category
Adhesive

946 Neoprene Premium Contact Adhesive specifically formulated for installing Tarkett Wall Base, Transitions, Chair Rail, Stair Treads, Stair Nosings, and Corner Guards.



Certifications and Standards

CA Section 01350	Yes
FloorScore®	SCS-FS-03550 Certified by SCS Global Services valid until 2022-02-28
U.N. Global Compact	Yes



General

MasterFormat® Number	09 60 50
Product Page	External Link
Product Type	Adhesive
Recyclable packaging	100%
Safety Data Sheet (SDS) URL	External Link

The information contained in this site was provided by the producer and/or certifier and we endeavor to keep the information up to date and correct. ecomedes make no representations or warranties of any kind, express or implied, about the completeness or availability of the product information on the site for any purpose. We encourage users to contact the producer or certifier directly for additional details. It's important to note that no products individually or collectively, can guarantee a specific number of points for LEED, WELL, GreenGlobes or LBC certifications.

Ceramic Tile Caulk

1 Product Name

Ceramic Tile Caulk

2 Manufacturer

Custom Building Products
Technical Services
10400 Pioneer Boulevard, Unit 3
Santa Fe Springs, CA 90670
Customer Support: 800-272-8786
Technical Services: 800-282-8786
Fax: 800- 200-7765
Email: contactus@cbpmail.net
custombuildingproducts.com

3 Product Description

Our ceramic tile caulk is for caulking around sinks, tubs, showers and where tile meets tile or another surface. Also adheres bath fixtures and loose tile. Do not use to install grab bars. Maximum joint width and depth should not exceed 1/4" (6 mm). Do not use in areas with constant water exposure. For interior use only.

Key Features

- Use around tubs and sinks
- Use where horizontal and vertical surfaces meet
- Siliconized for ease of use

Suitable Tile Types

- Around tubs, showers and sinks
- Bonds bath fixtures and loose tiles

Composition of Product

Siliconized acrylic latex resins with fine fillers and colored pigments

Benefits of Product in the Installation

- For caulking around sinks, tubs and showers
- Adheres bath fixtures and loose tile.
- For joint up to 1/4" (6mm) wide and deep
- For interior use.
- Available in sanded and non-sanded versions to match grout texture.
- Mold and mildew resistant

Limitations to the Product

- Do not use to install grab bars.
- Maximum joint width and depth should not exceed 1/4" (6 mm).
- Do not use in areas with constant water exposure

Packaging

10.5 oz (310 ml) cartridge



4 Technical Data

Technical Chart

Tack-Free Time (ASTM C-679)	30 Minutes
Paintable	>Yes
Slump	< 0.15 mm
Shrinkage	< 30%
Stain Resistance	Excellent
Crack Resistance	Excellent
pH	7-9

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

5 Instructions

General Surface Prep

USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

Application of Product

Surfaces should be clean, dry and free of all contamination. Place cartridge in standard caulking gun. Cut tip off nozzle on a slant to desired opening size and completely fill joints with caulk. Smooth with wet finger. Clean off excess caulk with soap and water before it cures. Do not apply when temperature falls below 50°F (10°C).

Curing of Product

Minimum 24 hours before exposing to water. Cure time may be extended, depending on caulking thickness and ambient conditions.

Cleaning of equipment

Clean tools with water before material dries.



CUSTOM®

Ceramic Tile Caulk

Storage

Replace cap after each use. Store away from extreme heat or cold. Keep from freezing.

Health Precautions

Contains Petroleum Distillates. If ingested, do not induce vomiting, call a physician immediately. Use with adequate ventilation. Nonflammable. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. AVOID EYE CONTACT.

6 Availability & Cost

Sanded					
Location	Color #	Color	Item Code	Size	Package
USA	#9	Natural Gray	PC0910S-6	10.5 oz. (310 ml)	Cartridge
USA	#11	Snow White	PC1110S-6	10.5 oz. (310 ml)	Cartridge
USA	#19	Pewter	PC1910S-6	10.5 oz. (310 ml)	Cartridge
USA	#60	Charcoal	PC6010S-6	10.5 oz. (310 ml)	Cartridge
USA	#115	Platinum	PC11510S-6	10.5 oz. (310 ml)	Cartridge
USA	#122	Linen	PC12210S-6	10.5 oz. (310 ml)	Cartridge
USA	#165	Delorean Gray	PC16510S-6	10.5 oz. (310 ml)	Cartridge
USA	#380	Haystack	PC38010S-6	10.5 oz. (310 ml)	Cartridge
USA	#381	Bright White	PC38110S-6	10.5 oz. (310 ml)	Cartridge
USA	#382	Bone	PC38210S-6	10.5 oz. (310 ml)	Cartridge
USA	#386	Oyster Gray	PC38610S-6	10.5 oz. (310 ml)	Cartridge
USA	#544	Rolling Fog	PC54410S-6	10.5 oz. (310 ml)	Cartridge
USA	#640	Arctic White	PC64010S-6	10.5 oz. (310 ml)	Cartridge
USA	#646	Coffee Bean	PC64610S-6	10.5 oz. (310 ml)	Cartridge
USA	#647	Brown Velvet	PC64710S-6	10.5 oz. (310 ml)	Cartridge
Canada	#9	Natural Gray	CPC0910S-6	10.5 oz. (310 ml)	Cartridge
Canada	#10	Antique White	CPC1010S-6	10.5 oz. (310 ml)	Cartridge
Canada	#11	Snow White	CPC1110S-6	10.5 oz. (310 ml)	Cartridge
Canada	#19	Pewter	CPC1910S-6	10.5 oz. (310 ml)	Cartridge
Canada	#52	Tobacco Brown	CPC5210S-6	10.5 oz. (310 ml)	Cartridge
Canada	#60	Charcoal	CPC6010S-6	10.5 oz. (310 ml)	Cartridge
Canada	#105	Earth	CPC10510S-6	10.5 oz. (310 ml)	Cartridge
Canada	#122	Linen	CPC12210S-6	10.5 oz. (310 ml)	Cartridge
Canada	#145	Light Smoke	CPC14510S-6	10.5 oz. (310 ml)	Cartridge
Canada	#165	Delorean Gray	CPC16510S-6	10.5 oz. (310 ml)	Cartridge
Canada	#380	Haystack	CPC38010S-6	10.5 oz. (310 ml)	Cartridge
Canada	#381	Bright White	CPC38110S-6	10.5 oz. (310 ml)	Cartridge
Canada	#382	Bone	CPC38210S-6	10.5 oz. (310 ml)	Cartridge



CUSTOM®

Ceramic Tile Caulk

Non-Sanded					
Location	Color #	Color	Item Code	Size	Package
USA	#10	Antique White	PC1010N-6	10.5 oz. (310 ml)	Cartridge
USA	#11	Snow White	PC1110N-6	10.5 oz. (310 ml)	Cartridge
USA	#122	Linen	PC12210N-6	10.5 oz. (310 ml)	Cartridge
USA	#165	Delorean Gray	PC16510N-6	10.5 oz. (310 ml)	Cartridge
USA	#381	Bright White	PC38110N-6	10.5 oz. (310 ml)	Cartridge
Canada	#10	Antique White	CPC1010N-6	10.5 oz. (310 ml)	Cartridge
Canada	#11	Snow White	CPC1110N-6	10.5 oz. (310 ml)	Cartridge
Canada	#122	Linen	CPC12210N-6	10.5 oz. (310 ml)	Cartridge
Canada	#165	Delorean Gray	CPC16510N-6	10.5 oz. (310 ml)	Cartridge
Canada	#381	Bright White	CPC38110N-6	10.5 oz. (310 ml)	Cartridge

Additional colors may be available in select markets.

See our color card for truest color representation when selecting or specifying a grout color. Final installed shade may vary with the tile type, color and porosity as well as jobsite conditions and finishing techniques. For best results, perform a test on a small, inconspicuous area or create a sample board prior to installation.

7 Product Warranty

Obtain the applicable **LIMITED PRODUCT WARRANTY** at www.custombuildingproducts.com/product-warranty or send a written request to Custom Building Products, Inc., Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured under the authority of Custom Building Products, Inc. © 2017 Quikrete International, Inc.

8 Product Maintenance

Clean with a neutral cleaner such as Aquamix AquaKleen or Tilelab Grout & Tile Cleaner

9 Technical Services Information

For technical assistance, contact Custom technical services at 800-282-8786 or visit custombuildingproducts.com.

10 Filling System

Additional product information is available from the manufacturer upon request.

Related Products

Polyblend® Sanded Grout

Prism® Ultimate Performance Grout



Ceramic Tile Caulk

Coverage

Size	Coverage
10.1 oz. (300 mL)	24 lineal feet (7.3 M) of 1/4" x 1/4" (6 x 6 mm) joint

**CUSTOM®**