Prism® SureColor® Grout

1   Product Name

Prism® SureColor® Grout

2   Manufacturer

Custom Building Products
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3   Product Description

A fast-setting, lightweight, polymer-modified, cement-based grout that offers consistent color without mottling or shading, regardless of tile type, temperature or humidity. Creates dense joints that provide more stain resistance than standard cement grouts. Cures quickly and develops high early-strength to accommodate grout joints from 1/16" (1.6 mm) to 1/2" (13 mm). Prism® may be used for interior or exterior installations, including floors, countertops, walls, ceilings, showers, fountains and pools.

Key Features

- Consistent color - No shading
- No efflorescence
- Excellent stain resistance

Uses

- Use to fill joint widths 1/16" to 1/2" (1.6 to 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® SureColor® 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, marble or stone tiles can be scratched or damaged by the lightweight aggregate filler. Perform a test on a small area prior to use.
- 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.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.

Packaging

- 17 lb (7.71 kg) box containing (3) 5.7 lb (2.6 kg) sealed bags
- Available in 24 standard colors. Color matching is available.

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® SureColor® Grout meets ANSI A118.6 and A118.7 standards.

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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

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 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. Do not use additives.

Mixing Procedures

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 10 minutes, and then remix and use. Periodically remix to keep the mixture workable, but do not add water, which can weaken the joint, 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. 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. If haze persists, the installation can be washed after three days with Aqua Mix NanoScrub or after seven days with Aqua Mix® Sulfamic Acid Crystals or TileLab® Sulfamic Acid Cleaner. Perform a test in an inconspicuous area prior to complete application.

Curing of Product

Curing time is affected by ambient and surface temperatures and humidity. Use the following as a guideline. For exterior applications, it is recommended that the installation is periodically misted with clean, cool water for 3 days.

Sealing of Grout

Use a pH neutral sealer such as AquaMix Sealer's Choice Gold or TileLab Surface Guard.

Cleaning of equipment

Clean tools and hands with water before the material dries.

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.

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6 Availability & Cost

Location	Color #	Color	Item Code	Size	Package
USA & Canada Stock Colors	#9	Natural Gray	PG0917T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#10	Antique White	PG1017T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#19	Pewter	PG1917T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#35	Chaparral	PG3517T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#45	Summer Wheat	PG4517T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#52	Tobacoo Brown	PG5217T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#59	Saddle Brown	PG5917T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#60	Charcoal	PG6017T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#101	Quartz	PG10117T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#105	Earth	PG10517T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#122	Linen	PG12217T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#127	Antique Linen	PG12717T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#135	Mushroom	PG13517T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#145	Light Smoke	PG14517T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#156	Fawn	PG15617T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#165	Delorean Gray	PG16517T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#180	Sandstone	PG18017T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#183	Chateau	PG18317T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#185	New Taupe	PG18517T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#333	Alabaster	PG33317T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#380	Haystack	PG38017T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#381	Bright White	PG38117T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#382	Bone	PG38217T	17 lb (7.71 kg)	Box
USA & Canada Stock Colors	#386	Oyster Gray	PG38617T	17 lb (7.71 kg)	Box

7 Product Warranty

Custom® Building Products warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Custom's® sole liability under this warranty shall be limited to the replacement of the product. Some states, countries or territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Custom's® printed instructions. Custom® makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/territory to another. This warranty is not transferrable.

8 Product Maintenance

Clean with a neutral cleaner such as Aqua Mix AquaKleen, 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.

10 Filing System

Additional product information is available from the manufacturer upon request.

Related Products

Polyblend® Ceramic Tile Caulk

Commercial 100% Silicone Caulk

TileLab® SurfaceGard® Sealer

Prism® SureColor® Grout

Coverage

Coverage will vary depending on the tile size and joint width.

SQUARE FOOT COVERAGE PER 17 LB BOX (SQUARE METER COVERAGE PER 7.71 KG)

Average coverage per entire contents

Tile Size	Joint Width					
	1/16" (3 mm)	1/8" (3 mm)	3/16" (4.5 mm)	1/4" (6 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (25 x 25 x 6 mm)	126 ft² (11.7 m²)	63 ft² (5.9 m²)	40 ft² (3.7 m²)	25 ft² (2.3 m²)	23 ft² (2.1 m²)	20 ft² (1.9 m²)
2" x 2" x 1/4" (50 x 50 x 6 mm)	176 ft² (16.4 m²)	88 ft² (8.2 m²)	73 ft² (6.8 m²)	50 ft² (4.6 m²)	40 ft² (3.7 m²)	33 ft² (3.1 m²)
3" x 3" x 1/4" (75 x 75 x 6 mm)	300 ft² (27.9 m²)	150 ft² (13.9 m²)	103 ft² (9.6 m²)	80 ft² (7.4 m²)	55 ft² (5.1 m²)	45 ft² (4.2 m²)
4 1/4" x 4 1/4" x 1/4" (108 x 108 x 6 mm)	420 ft² (39.0 m²)	210 ft² (19.5 m²)	143 ft² (13.3 m²)	110 ft² (10.2 m²)	75 ft² (7.0 m²)	60 ft² (5.6 m²)
6" x 6" x 1/4" (150 x 150 x 6 mm)	526 ft² (48.9 m²)	263 ft² (24.4 m²)	178 ft² (16.5 m²)	136 ft² (12.6 m²)	93 ft² (8.6 m²)	70 ft² (6.5 m²)
8" x 8" x 3/8" (200 x 200 x 9.5 mm)	460 ft² (42.7 m²)	230 ft² (21.4 m²)	155 ft² (14.4 m²)	113 ft² (10.5 m²)	75 ft² (7.0 m²)	50 ft² (4.6 m²)
12" x 12" x 3/8" (300 x 300 x 9.5 mm)	690 ft² (64.1 m²)	345 ft² (32.1 m²)	230 ft² (21.4 m²)	175 ft² (16.3 m²)	118 ft² (11.0 m²)	90 ft² (8.4 m²)
16" x 16" x 3/8" (400 x 400 x 9.5 mm)	926 ft² (85.1 m²)	458 ft² (42.5 m²)	305 ft² (28.3 m²)	225 ft² (20.9 m²)	144 ft² (13.4 m²)	94 ft² (8.7 m²)
18" x 18" x 3/8" (450 x 450 x 9.5 mm)	1024 ft² (95.1 m²)	512 ft² (47.6 m²)	343 ft² (31.9 m²)	253 ft² (23.5 m²)	167 ft² (15.5 m²)	118 ft² (11.0 m²)
24" x 24" x 3/8" (600 x 600 x 9.5 mm)	1380 ft² (128.2 m²)	685 ft² (63.6 m²)	458 ft² (42.5 m²)	325 ft² (30.2 m²)	225 ft² (20.9 m²)	150 ft² (13.9 m²)

SQUARE FOOT COVERAGE PER 5.7 LB BAG (SQUARE METER COVERAGE PER 2.6 KG)

Average coverage per entire individual bag

Tile Size	Joint Width					
	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.5 mm)	1/4" (6 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (25 x 25 x 6 mm)	42 ft² (3.9 m²)	21 ft² (2.0 m²)	13 ft² (1.2 m²)	8 ft² (0.8 m²)	8 ft² (0.7 m²)	7 ft² (0.6 m²)
2" x 2" x 1/4" (50 x 50 x 6 mm)	59 ft² (5.5 m²)	29 ft² (2.7 m²)	24 ft² (2.3 m²)	17 ft² (1.5 m²)	13 ft² (1.2 m²)	11 ft² (1.0 m²)
3" x 3" x 1/4" (75 x 75 x 6 mm)	100 ft² (9.3 m²)	50 ft² (4.6 m²)	34 ft² (3.2 m²)	27 ft² (2.5 m²)	18 ft² (1.7 m²)	15 ft² (1.4 m²)
4 1/4" x 4 1/4" x 1/4" (108 x 108 x 6 mm)	140 ft² (13.0 m²)	70 ft² (6.5 m²)	48 ft² (4.4 m²)	37 ft² (3.4 m²)	25 ft² (2.3 m²)	20 ft² (1.9 m²)
6" x 6" x 1/4" (150 x 150 x 6 mm)	175 ft² (16.3 m²)	88 ft² (8.1 m²)	59 ft² (5.5 m²)	45 ft² (4.2 m²)	31 ft² (2.9 m²)	23 ft² (2.2 m²)
8" x 8" x 3/8" (200 x 200 x 9.5 mm)	153 ft² (14.2 m²)	77 ft² (7.1 m²)	52 ft² (4.8 m²)	38 ft² (3.5 m²)	25 ft² (2.3 m²)	17 ft² (1.5 m²)
12" x 12" x 3/8" (300 x 300 x 9.5 mm)	230 ft² (21.4 m²)	115 ft² (10.7 m²)	77 ft² (7.1 m²)	58 ft² (5.4 m²)	39 ft² (3.7 m²)	30 ft² (2.8 m²)
16" x 16" x 3/8" (400 x 400 x 9.5 mm)	305 ft² (28.4 m²)	153 ft² (14.2 m²)	102 ft² (9.4 m²)	75 ft² (7.0 m²)	48 ft² (4.5 m²)	31 ft² (2.9 m²)
18" x 18" x 3/8" (450 x 450 x 9.5 mm)	341 ft² (31.7 m²)	171 ft² (15.9 m²)	114 ft² (10.6 m²)	84 ft² (7.8 m²)	56 ft² (5.2 m²)	39 ft² (3.7 m²)
24" x 24" x 3/8" (600 x 600 x 9.5 mm)	460 ft² (42.7 m²)	228 ft² (21.2 m²)	153 ft² (14.2 m²)	108 ft² (10.1 m²)	75 ft² (7.0 m²)	50 ft² (4.6 m²)

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