

PRISM® SURECOLOR® GROUT

1. Product Name

Prism® SureColor® Grout

2. Manufacturer

Custom Building Products
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3. Product Description

Prism SureColor Grout is a lightweight, polymer-modified, cement-based grout that offers consistent color without mottling or shading, regardless of tile type, temperature or humidity. With dense joints that provide more stain resistance than standard cement grouts, Prism SureColor 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.

Prism SureColor Grout can be used with the following tile types:

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tiles
- Impervious porcelain and glass tile
- Brick and thin brick
- Precast terrazzo
- Natural stone tile

COMPOSITION & MATERIALS

Prism SureColor Grout is a blend of specialty cements, recycled aggregates and chemicals.

BENEFITS

- Consistent color without shading or efflorescence
- Cures quickly, developing high early strength
- High stain resistance
- 32% lighter than other grouts; excellent handling characteristics
- Fills joints from 1/6" to 1/2" (3 to 13 mm)

LIMITATIONS

- Prism SureColor Grout should not be installed when ambient surface temperature is lower than 50° F (10° C) or higher than 100° F (38° C).
- Some ceramic tile, marble or stone can be scratched, stained or damaged by sanded or pigmented grout. White grout is generally best for light colored marble or granite. Test a small area prior to use. Polyblend Non-Sanded Grout may be appropriate for tile not suitable for sanded grout.



- Tile with high absorption, surface porosity or rough, textured surfaces and certain types of porcelain may require sealing prior to grouting to prevent staining. Use TileLab® SurfaceGuard® Stone, Grout & Tile Sealer to prevent grout staining, when required.
- Color variation can occur due to tile type, tile porosity, jobsite conditions, application and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for clean-up.
- 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. View color selections at custombuildingproducts.com

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



Resilient Floor Covering Institute (RFCI) — Recommended Work Practices for Removal of Resilient Floor Coverings.

Tile Council of North America (TCNA) — TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

APPROVALS

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

TECHNICAL PROPERTIES

Property	Typical Results
ANSI standard	A118.7
Pot life	60 – 90 minutes
Initial set	2 hours
Final set	2.5 hours
Shrinkage (Sec 3.3)	
7 days	<0.2%
Water absorption (Sec 3.4)	
After immersion	<5%
After drying	<7%
Compressive strength (Sec 3.5)	>3000 psi (209.4 kg/cm ²)
Tensile strength (Sec 3.6)	
28 days	>500 psi (35.2 kg/cm ²)
Flexural strength (Sec 3.7)	
7 days	>1000 psi (70.5 kg/cm ²)

ENVIRONMENTAL CONSIDERATIONS

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices.

Use of Prism SureColor Grout can contribute to LEED® certification.

5. Installation

PREPARATORY WORK

Tile or stone must be firmly bonded to a sound substrate, and setting material must be cured a minimum 24 – 48 hours before grouting, unless rapid setting mortars are used. See the corresponding data 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 Stone, Grout & Tile Sealer to seal tile or stone subject to staining.

Mix materials per the following guidelines:

Mix 4 – 5 pt (1.89 – 2.36 L) clean water to 17 lb (7.71 kg) box. Do not use additives.

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.

METHODS

Application

Installation must confirm 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. 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 acid washed after 72 hours with a suitable diluted acid.

Curing

Curing time is affected by ambient and surface temperatures and humidity. Use the following as a guideline.

Periodically misting the installation with clean, cool water for 3 days is recommended.

Cleaning

Clean tools and hands with water before the material dries.

Coverage

Coverage will vary depending on the tile size and joint width. A 17 lb (7.71) box covers the same area as a 25 lb (11.34 kg) bag of standard grout.

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.

BUILDING CODES

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.



Coverage

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

Average coverage per entire contents

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)	126 (11.7)	63 (5.9)	40 (3.7)	25 (2.3)	23 (2.1)	20 (1.9)
2" x 2" x 1/4" (50 x 50 x 6 mm)	176 (16.4)	88 (8.2)	73 (6.8)	50 (4.6)	40 (3.7)	33 (3.1)
3" x 3" x 1/4" (75 x 75 x 6 mm)	300 (27.9)	150 (13.9)	103 (9.6)	80 (7.4)	55 (5.1)	45 (4.2)
4 1/4" x 4 1/4" x 1/4" (108 x 108 x 6 mm)	420 (39.0)	210 (19.5)	143 (13.3)	110 (10.2)	75 (7.0)	60 (5.6)
6" x 6" x 1/4" (150 x 150 x 6 mm)	526 (48.9)	263 (24.4)	178 (16.5)	136 (12.6)	93 (8.6)	70 (6.5)
8" x 8" x 3/8" (200 x 200 x 9.5 mm)	460 (42.7)	230 (21.4)	155 (14.4)	113 (10.5)	75 (7.0)	50 (4.6)
12" x 12" x 3/8" (300 x 300 x 9.5 mm)	690 (64.1)	345 (32.1)	230 (21.4)	175 (16.3)	118 (11.0)	90 (8.4)
16" x 16" x 3/8" (400 x 400 x 9.5 mm)	916 (85.1)	458 (42.5)	305 (28.3)	225 (20.9)	144 (13.4)	94 (8.7)
18" x 18" x 3/8" (450 x 450 x 9.5 mm)	1024 (95.1)	512 (47.6)	343 (31.9)	253 (23.5)	167 (15.5)	118 (11.0)
24" x 24" x 3/8" (600 x 600 x 9.5 mm)	1380 (128.2)	685 (63.6)	458 (42.5)	325 (30.2)	225 (20.9)	150 (13.9)

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



6. Availability & Cost

Contact the manufacturer or visit custombuildingproducts.com for information about product cost and availability.

COLOR	ITEM CODE	SIZE	PKG
USA Stock Colors			
#9 Natural Gray	PG0917	17 lb (7.71 kg)	Box
#10 Antique White	PG1017	17 lb (7.71 kg)	Box
#19 Pewter	PG1917	17 lb (7.71 kg)	Box
#35 Chaparral	PG3517	17 lb (7.71 kg)	Box
#45 Summer Wheat	PG4517	17 lb (7.71 kg)	Box
#52 Tobacco Brown	PG5217	17 lb (7.71 kg)	Box
#59 Saddle Brown	PG5917	17 lb (7.71 kg)	Box
#60 Charcoal	PG6017	17 lb (7.71 kg)	Box
#101 Quartz	PG10117	17 lb (7.71 kg)	Box
#105 Earth	PG10517	17 lb (7.71 kg)	Box
#122 Linen	PG12217	17 lb (7.71 kg)	Box
#127 Antique Linen	PG12717	17 lb (7.71 kg)	Box
#135 Mushroom	PG13517	17 lb (7.71 kg)	Box
#145 Light Smoke	PG14517	17 lb (7.71 kg)	Box
#156 Fawn	PG15617	17 lb (7.71 kg)	Box
#165 Delorean Gray	PG16517	17 lb (7.71 kg)	Box
#180 Sandstone	PG18017	17 lb (7.71 kg)	Box
#183 Chateau	PG18317	17 lb (7.71 kg)	Box
#185 New Taupe	PG18517	17 lb (7.71 kg)	Box
#333 Alabaster	PG33317	17 lb (7.71 kg)	Box
#380 Haystack	PG38017	17 lb (7.71 kg)	Box
#381 Bright White	PG38117	17 lb (7.71 kg)	Box
#382 Bone	PG38217	17 lb (7.71 kg)	Box
#386 Oyster Gray	PG38617	17 lb (7.71 kg)	Box
Canada Stock Colors			
#9 Natural Gray	CPG0917	17 lb (7.71 kg)	Box
#10 Antique White	CPG1017	17 lb (7.71 kg)	Box
#19 Pewter	CPG1917	17 lb (7.71 kg)	Box
#35 Chaparral	CPG3517	17 lb (7.71 kg)	Box
#45 Summer Wheat	CPG4517	17 lb (7.71 kg)	Box
#52 Tobacco Brown	CPG5217	17 lb (7.71 kg)	Box
#59 Saddle Brown	CPG5917	17 lb (7.71 kg)	Box
#60 Charcoal	CPG6017	17 lb (7.71 kg)	Box
#101 Quartz	CPG10117	17 lb (7.71 kg)	Box
#105 Earth	CPG10517	17 lb (7.71 kg)	Box
#122 Linen	CPG12217	17 lb (7.71 kg)	Box
#127 Antique Linen	CPG12717	17 lb (7.71 kg)	Box
#135 Mushroom	CPG13517	17 lb (7.71 kg)	Box
#145 Light Smoke	CPG14517	17 lb (7.71 kg)	Box
#156 Fawn	CPG15617	17 lb (7.71 kg)	Box
#165 Delorean Gray	CPG16517	17 lb (7.71 kg)	Box
#180 Sandstone	CPG18017	17 lb (7.71 kg)	Box
#183 Chateau	CPG18317	17 lb (7.71 kg)	Box
#185 New Taupe	CPG18517	17 lb (7.71 kg)	Box
#333 Alabaster	CPG33317	17 lb (7.71 kg)	Box
#380 Haystack	CPG38017	17 lb (7.71 kg)	Box
#381 Bright White	CPG38117	17 lb (7.71 kg)	Box
#382 Bone	CPG38217	17 lb (7.71 kg)	Box
#386 Oyster Gray	CPG38617	17 lb (7.71 kg)	Box

7. Limited Product Warranty

This product is eligible for Custom Building Products Lifetime Installations Systems 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. For details and complete warranty information, visit custombuildingproducts.com

8. Maintenance

Properly installed product requires no special maintenance.

9. Technical Services

For technical assistance, contact Custom Building Products or visit custombuildingproducts.com.

10. Filing Systems

Additional product information is available from the manufacturer upon request.

Related Products

Polyblend® Ceramic Tile Caulk
 Commercial 100% Silicone Caulk
 TileLab® SurfaceGard® Stone, Grout & Tile Sealer

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