
PRISM® SURECOLOR® GROUT

1. Product Name

Prism® SureColor® Grout

2. Manufacturer

Custom Building Products
13001 Seal Beach Blvd.
Seal Beach, CA 90740-2757
800-272-8786
562-598-8808
Fax: 800- 200-7765
Email: contactus@cbpmail.net
www.custombuildingproducts.com

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" (1.5 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 Portland cements, recycled aggregates and chemicals.

SIZES

- 17 lb (7.71 kg) bag
- Color choices are: Bright White, Antique White, Alabaster, Bone, Linen, Fawn, Summer Wheat, Haystack, Light Smoke, Earth, Sandstone, Chaparral, Quartz, Oyster Gray, Mushroom, Delorean Gray, Natural Gray and Charcoal. Custom colors available; contact your local representative for details.

BENEFITS

- Consistent color without shading or efflorescence
- Cures quickly, developing high early strength
- High stain resistance
- 32% lighter than other grouts; excellent handling characteristics
- Protected by MoldGard® Technology to resist mold and mildew growth

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® SurfaceGard® Penetrating 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 cleanup.
- Chemicals in salt based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.

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 or exceeds ANSI A118.7 standards.

TECHNICAL PROPERTIES

Property	Results
ANSI standard	A118.7
Pot life	60 – 90 minutes
Initial set	2 hours
Final set	2.5 hours
Shrinkage 7 days	<0.2%
Water absorption After immersion After drying	<5% <7%
Compressive strength	>3000 psi (209.4 kg/cm ²)
Tensile strength 7 days 28 days	>400 psi (28.2 kg/cm ²) >500 psi (35.2 kg/cm ²)
Flexural strength 7 days	>1000 psi (70.5 kg/cm ²)
Thermal shock	Pass

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 Penetrating Sealer to pre-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) bag

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 degree angle, completely fill the joints. Holding the edge of the float at a 90 degree 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 cleanup.

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.

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.

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.

6. Availability & Cost

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

7. 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. Sole liability under this warranty shall be limited to the replacement of the product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply. This warranty will not extend to any product modified in any way or not used in accordance with the manufacturer's printed instructions. Custom Building Products makes no other warranties, either express or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

For details and complete warranty information, visit the Custom Building Products website: www.custombuildingproducts.com.

8. Maintenance

Properly installed product requires no special maintenance.

9. Technical Services

For technical assistance, contact Custom Building Products or visit the website: www.custombuildingproducts.com.

10. Filing Systems

Additional product information is available from the manufacturer upon request.

LEED is a Registered Trademark of U.S.G.B.C.

Coverage

Coverage will vary depending on the tile size and joint width

Square foot coverage per 17 lb. bag	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" (12 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 (14.0)	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 (49.0)	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 (52.7)	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 (64.2)	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 (47.5)	343 (31.9)	253 (23.5)	167 (15.5)	118 (11)
24" x 24" x 3/8" (600 x 600 x 9.5 mm)	1380 (127.2)	685 (63.6)	458 (42.5)	325 (30.2)	225 (20.9)	150 (13.9)