Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout



1. **Product Name**

   Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout

2. **Manufacturer**

   Custom Building Products Technical Services

   10400 Pioneer Boulevard, Unit 3 Santa Fe Springs, CA 90670

   Customer Support: 800-272-8786

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   Fax: 800- 200-7765

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3. **Product Description**

   Prism® Single-Component® Grout (SCG) is a professional grade premixed, efflorescence-free, and crack-resistant sanded grout. Its Single-Component® formula is ready to use and is the easiest grout to install, regardless of the type of grout or experience level. It is color perfect, highly stain-resistant, and never requires sealing. Prism® SCG can be installed on interior and most exterior tile, glass, and natural stone applications on walls, floors, and ceilings on commercial and residential projects. Its technologically advanced formulation provides extended open time and excellent cleanability along with built-in MicroBan® antimicrobial product protection.

Key Features

- Easiest Grout to Spread and Clean
- Color Perfect
- Crack-Resistant
- Unsurpassed Stain Resistance
- Ready-to-use Single-Component
- Exceeds ANSI A118.19 Pre-Mixed Grout Standard

Uses

- Use to fill joint widths 1/16" to 1/2" (1.6-13 mm)
- Used for floor, wall and ceiling installations
- Interior and exterior applications*
- Commercial and residential applications
- Countertops, backsplashes, tub surrounds, shower walls & floors, and high traffic areas

*See Limitations

Composition of Product

Advanced polymers with inorganic fillers and pigments

Benefits of Product in the Installation

- Excellent stain resistance No sealing required
- Ready to use
- Hard, durable grout joints
- No efflorescence
- Crack resistant
- MicroBan® antimicrobial product protection

Limitations to the Product

- Do not install when ambient or surface temperature is lower than 50° F (10° C) or above 90° F (32° C).
- In service surface temperatures should not exceed 160° F (71° C).
- Not for use in constant submersion (pools, water features), steam rooms or steam showers.
- Not for use over concrete slabs with moisture emissions >5 lbs. or >85% RH.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals (high or low pH), high heat or high- pressure cleaning. For heavy industrial tile installations, use CEG-IG 100% Solids Epoxy Grout.
- Some ceramic, glass, metal, mirror, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use.
- Tile or stone with high absorption, surfaces that have porous, rough, textured surfaces, porcelain tile with micropores or heavy textures and mirror tiles should be tested first. These tiles generally require sealing and/or grout release prior to grouting to prevent possible staining.
- Do not use Prism® SCG where grout joints widths or depths exceed ½" with irregularly shaped or spaced tile or stone, such as pebble stones or where joint widths or depths exceed 1/2".
- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate sealant or caulk such as CUSTOM® Commercial 100% Silicone Sealant or Polyblend®Ceramic Tile Caulk.

Packaging

- All colors available in 1 gallon pails.
- Available in 40 standard colors in the US and 16 colors in Canada

Technical Chart

Tests per ANSI A118.19	Method	Results
Hardness at 28 days	A118.19.5.1	>1000 psi
Wet Hardness	A118.19.5.1	>500 psi
Abrasion Resistance	A118.19.5.2	<500 mm3
Stain Resistance	CTIOA T-72- MODIFIED	0.5-1.5
Water Cleanability	A118.19.5.4	Pass
Chemical Resistance	A118.19.6.5	Pass
Vertical Joint Sag	per 118.3	Pass

Environmental Consideration

Custom® Building Products is committed to environmental

Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout

responsibility in both products produced and in manufacturing practices. Use of this product may contribute towards LEED® certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Complies with all Federal, SCAQMD, and CARB standards for VOC's

4. Instructions

General Surface Prep

Always wear proper protective equipment when handling the product, including IMPERVIOUS GLOVES, such as nitrile, safety glasses, and a NIOSH N95 respirator (mask).

Tiled surface and joints must be clean, and adhesives must be dry. When grouting both vertical and horizontal substrates together, protect horizontal substrate from excess wash water that may fall during the cleaning of grout on walls by covering the floor area prior to grout installation on the walls.

Mixing Procedures

Ready to use – no mixing required. Do not use power mixer

Note: Color of unused/uncured product is not representative of the final result. The color of the grout, upon curing, matches the CUSTOM color card. Perform a mockup to evaluate color and appearance by placing a small dab of grout on the tile and allow to dry (or use hair dryer).

Application of Product

Apply Prism® SCG at surface and ambient temperatures between 50°F -90°F (10°C - 32°C). Prism® SCG cures by evaporation so ensure that substrate does not have a high moisture emission rate, that work area has adequate ventilation and setting material has completely dried.

Prism® SCG can have up to 30 minutes working time for cleaning once spread when the ambient and surface temperatures are moderate, and the tile is not porous. Perform a small test area to confirm working time.

Pre-treat natural stones and porous or rough textured tile with Aqua Mix® Sealer's Choice® Gold, TileLab® SurfaceGard® Sealer. Aqua Mix® Grout Release may also be required based on surface profile. Protect adjoining surfaces during sealer and grout installation from potential staining from sealer, grout pigments and wash water. In hot dry climates or areas with direct sunlight, ensure surface temp is below 90° F (32° C) before installing. Wipe the tile surface with cool water and install shade to lower surface temperature.

Lightly dampen tile surface using a sponge and clean water before spreading grout. Do not allow any water to puddle on the surface of the tile or in the grout joints. Glazed or impervious tile do not require pre-wetting.

Force grout into joints within arm's reach, holding the grout float at a 45-degree angle and then immediately scrape tile surface using the grout float at 90- degree angle like a squeegee to remove excess grout. Repeat this process and fill joints up to 10-15 minutes or up to 60-100 sq. ft. (5.57- 9.29 m^2) areas at a time. Ensure all grout joints are completely full. More grout can be spread in cool, damp conditions; less in hot, dry conditions. Finishing and cleaning of grouted area should begin immediately and before grouting next section.

Lightly dampen a section of the grouted tile surface up to 30sf with a sponge and clean water. Areas less than 30sf, let stand for at least 15 to 30 seconds. Next, on dampened surface, use a circular motion with a damp sponge and light pressure to shape joints and loosen excess grout from the tile surface. Do not overwork the grout or use too much water as this may cause low joints.

Change water approximately every 40 to 50 sf.

Wring out sponge thoroughly then lightly drag diagonally across tile to remove most grout residue. On floors, finish by dragging a damp microfiber towel or microfiber sponge laid flat over the surface. Use once on each side and rinse and repeat.

On walls, wring out a microfiber towel/microfiber sponge; fold towel flat to approximately 8"x 8" and with light pressure wipe diagonally upward to remove final haze. Use once on each side and rinse and repeat.

Do not allow Prism® SCG to completely dry during installation. If grout becomes difficult to remove from tile surface during installation, lightly moisten tile surface using your sponge, wait 1-2, minutes, then gently clean as described above.

If grout haze dries on the surface, wait 2 to 3 hours for grout joints to firm and use a damp cloth or microfiber towel with clean water to wipe clean. If streaks or residue remain after 72 hours, use diluted Aqua Mix® Grout Haze Clean-Up, Aqua Mix® Non- Cement Grout Haze Remover,TileLab® Grout & Tile Cleaner and clean with a sponge.

Curing of Product

When curing conditions are 70° F (21° C) and 50% relative humidity, allow 24 hours until light traffic, and 7 days before intermittent water exposure (such as a shower enclosure).

Lower temperatures and higher humidity will slow curing. Grout should be allowed to cure 24 hours before covering. If covering to protect the tile assembly from traffic, use a highly breathable protective material such as Kraft paper to ensure a timely cure. Lower temperatures and higher humidity will slow cure times.

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 exterior installations and maintain >50° F (10° C) temperatures for at least 72 hours for proper cure.

Sealing of Tile Assembly

Prism® SCG grout is a stain resistant grout. Sealing is not necessary.

When sealing the tile or natural stone is necessary after grouting, use a water based sealer like Aqua Mix® Sealer's Choice® Gold and wipe off excess on grout joints. Do not use solvent-based sealers or enhancers after Prism® SCG is installed.

Cleaning of Equipment

Clean tools and hands with water before material dries.

Health Precautions

WARNING: MAY IRRITATE SKIN AND EYES. DUST FROM SANDING MAY CAUSE IRRITATION TO RESPIRATORY TRACT. PROLONGED OR REPEATED INHALATION OF DUST MAY CAUSE LUNG DAMAGE OR CANCER. A NIOSH N95 respirator (mask) is recommended if sanding the product. May be harmful if swallowed. Do not mix with other chemical products. Avoid contact with eyes

Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout

and prolonged contact with skin. Do not breathe in vapors. Do not take internally. Immediately wash contaminated body and clothing thoroughly. Use in well-ventilated areas. If in eyes: rinse cautiously with water for several minutes; remove contact lenses if easy to do; continue rinsing. If inhaled: remove person to fresh air and keep comfortable for breathing. If swallowed: rinse mouth; do NOT induce vomiting. Immediately seek medical attention if any symptoms are significant or persist. In Emergency: 1-800-535-5053. **Contains: Silica sand, styrene-acrylic polymer, titanium dioxide, ethylene glycol, and may contain carbon black.** Before handling read Safety Data Sheet at www.custombuildingproducts.com. **KEEP OUT OF REACH OF CHILDREN.** **WARNING:** This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer, and ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

5. Size & Availability

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.

Item Code	Size	Grout Color	Package
PSCG091-2T	1 gal (3.78 L)	#9 Natural Gray	Pail
PSCG101-2T	1 gal (3.78 L)	#10 Antique White	Pail
PSCG111-2T	1 gal (3.78 L)	#11 Snow White	Pail
PSCG191-2T	1 gal (3.78 L)	#19 Pewter	Pail
PSCG521-2T	1 gal (3.78 L)	#52 Tobacco Brown	Pail
PSCG591-2T	1 gal (3.78 L)	#59 Saddle Brown	Pail
PSCG601-2T	1 gal (3.78 L)	#60 Charcoal	Pail
PSCG951-2T	1 gal (3.78 L)	#95 Sable Brown	Pail
PSCG1051-2T	1 gal (3.78 L)	#105 Earth	Pail
PSCG1151-2T	1 gal (3.78 L)	#115 Platinum	Pail
PSCG1221-2T	1 gal (3.78 L)	#122 Linen	Pail
PSCG1351-2T	1 gal (3.78 L)	#135 Mushroom	Pail
PSCG1451-2T	1 gal (3.78 L)	#145 Light Smoke	Pail
PSCG1561-2T	1 gal (3.78 L)	#156 Fawn	Pail
PSCG1651-2T	1 gal (3.78 L)	#165 Delorean Gray	Pail
PSCG1721-2T	1 gal (3.78 L)	#172 Urban Putty	Pail
PSCG1831-2T	1 gal (3.78 L)	#183 Chateau	Pail
PSCG1851-2T	1 gal (3.78 L)	#185 New Taupe	Pail
PSCG1861-2T	1 gal (3.78 L)	#186 Khaki	Pail
PSCG3331-2T	1 gal (3.78 L)	#333 Alabaster	Pail
PSCG3351-2T	1 gal (3.78 L)	#335 Winter Gray	Pail
PSCG3701-2T	1 gal (3.78 L)	#370 Dove Gray	Pail
PSCG3801-2T	1 gal (3.78 L)	#380 Haystack	Pail
PSCG3811-2T	1 gal (3.78 L)	#381 Bright White	Pail
PSCG3821-2T	1 gal (3.78 L)	#382 Bone	Pail
PSCG3861-2T	1 gal (3.78 L)	#386 Oyster Gray	Pail
PSCG4011-2T	1 gal (3.78 L)	#540 Truffle	Pail
PSCG5411-2T	1 gal (3.78 L)	#541 Walnut	Pail
PSCG5421-2T	1 gal (3.78 L)	#542 Graystone	Pail
PSCG5431-2T	1 gal (3.78 L)	#543 Driftwood	Pail
PSCG5441-2T	1 gal (3.78 L)	#544 Rolling Fog	Pail
PSCG5451-2T	1 gal (3.78 L)	#545 Bleached Wood	Pail
PSCG5461-2T	1 gal (3.78 L)	#546 Cape Gray	Pail
PSCG6401-2T	1 gal (3.78 L)	#640 Arctic White	Pail
PSCG6411-2T	1 gal (3.78 L)	#641 Cool White	Pail
PSCG6421-2T	1 gal (3.78 L)	#642 Ash	Pail
PSCG6431-2T	1 gal (3.78 L)	#643 Warm Gray	Pail
PSCG6441-2T	1 gal (3.78 L)	#644 Shadow	Pail
PSCG6451-2T	1 gal (3.78 L)	#645 Steel Blue	Pail
PSCG6461-2T	1 gal (3.78 L)	#646 Coffee Bean	Pail
PSCG6471-2T	1 gal (3.78 L)	#647 Brown Velvet	Pail

Canadian Item Codes:

Item Code	Color	Size	Package
CPSCG091-2T	#09 Natural Gray	1 gal (3.78 L)	Pail
CPSCG111-2T	#11 Snow White	1 gal (3.78 L)	Pail
CPSCG601-2T	#60 Charcoal	1 gal (3.78 L)	Pail
CPSCG1651-2T	#165 Delorean Gray	1 gal (3.78 L)	Pail
CPSCG1831-2T	#183 Chateau	1 gal (3.78 L)	Pail
CPSCG3351-2T	#335 Winter Gray	1 gal (3.78 L)	Pail
CPSCG3811-2T	#381 Bright White	1 gal (3.78 L)	Pail
CPSCG3861-2T	#386 Oyster Gray	1 gal (3.78 L)	Pail

Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout

CPSCG5421-2T	#542 Graystone	1 gal (3.78 L)	Pail
CPSCG5431-2T	#543 Driftwood	1 gal (3.78 L)	Pail
CPSCG5441-2T	#544 Rolling Fog	1 gal (3.78 L)	Pail
CPSCG5451-2T	#545 Bleached Wood	1 gal (3.78 L)	Pail
CPSCG5461-2T	#546 Cape Gray	1 gal (3.78 L)	Pail
CPSCG6401-2T	#640 Arctic White	1 gal (3.78 L)	Pail
CPSCG6421-2T	#642 Ash	1 gal (3.78 L)	Pail
CPSCG6431-2T	#643 Warm Gray	1 gal (3.78 L)	Pail

Select colors are also available in a quart size container.

6. Product Warranty

NOTICE: Obtain the applicable LIMITED WARRANTY at www.custombuildingproducts.com/warranties or send a written request to Custom Building Products, Inc., Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured by or under the authority of Custom Building Products, Inc. © 2023 Quikrete International, Inc.

7. Product Maintenance

Clean with a neutral cleaner such as Aqua Mix AquaShield, Aqua Mix Concentrated Stone & Tile Cleaner or Tilelab Grout & Tile Cleaner

8. Technical Services Information

For technical assistance, contact Custom technical services at 800-282-8786 or visit custombuildingproducts.com.

9. Filing System

Additional product information is available from the manufacturer upon request.

Related Products

Commercial 100% Silicone Sealant
Aqua Mix® Non-Cement Grout Haze Remover
Aqua Mix® Grout Release
TileLab® Grout & Tile Cleaner

Coverage Chart
1 gallon (3.78 L) pail

Tile Size	Joint Width					
Width x Length x Thickness	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)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	55 ft² (5.1 m²)	31 ft² (2.9 m²)	23 ft² (2.1 m²)	19 ft² (1.8 m²)	15 ft² (1.4 m²)	14 ft² (1.3 m²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	103 ft² (9.6 m²)	55 ft² (5.1 m²)	39 ft² (3.6 m²)	31 ft² (2.9 m²)	23 ft² (2.1 m²)	19 ft² (1.8 m²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	152 ft² (14.1 m²)	79 ft² (7.3 m²)	55 ft² (5.1 m²)	43 ft² (4 m²)	31 ft² (2.9 m²)	25 ft² (2.3 m²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	213 ft² (19.8 m²)	110 ft² (10.2 m²)	75 ft² (7.0 m²)	58 ft² (5.4 m²)	41 ft² (3.8 m²)	32 ft² (3.0 m²)

Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout

6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	298 ft² (27.7 m²)	152 ft² (14.1 m²)	103 ft² (9.6 m²)	79 ft² (7.4 m²)	55 ft² (5.1 m²)	43 ft² (4.0 m²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	263 ft² (24.4 m²)	134 ft² (12.4 m²)	91 ft² (8.5 m²)	69 ft² (6.4 m²)	47 ft² (4.4 m²)	37 ft² (3.4 m²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	393 ft² (36.5 m²)	199 ft² (18.5 m²)	134 ft² (12.4 m²)	101 ft² (9.4 m²)	69 ft² (6.4 m²)	53 ft² (4.9 m²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	523 ft² (48.6 m²)	263 ft² (24.4 m²)	177 ft² (16.4 m²)	134 ft² (12.4 m²)	91 ft² (8.5 m²)	69 ft² (6.4 m²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	588 ft² (54.6 m²)	296 ft² (27.5 m²)	199 ft² (18.5 m²)	150 ft² (13.9 m²)	101 ft² (9.4 m²)	77 ft² (7.2 m²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	653 ft² (60.7 m²)	328 ft² (30.5 m²)	220 ft² (20.4 m²)	166 ft² (15.4 m²)	112 ft² (10.4 m²)	85 ft² (7.9 m²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	782 ft² (72.6 m²)	393 ft² (36.5 m²)	263 ft² (24.4 m²)	199 ft² (18.5 m²)	134 ft² (12.4 m²)	101 ft² (9.4 m²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	315 ft² (29.3 m²)	160 ft² (14.8 m²)	108 ft² (10 m²)	82 ft² (7.6 m²)	56 ft² (5.2 m²)	43 ft² (4.0 m²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	523 ft² (48.6 m²)	263 ft² (24.5 m²)	177 ft² (16.4 m²)	134 ft² (12.4 m²)	91 ft² (8.4 m²)	69 ft² (6.4 m²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	338 ft² (31.4 m²)	171 ft² (15.9 m²)	115 ft² (10.7 m²)	87 ft² (8.1 m²)	60 ft² (5.6 m²)	46 ft² (4.3 m²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	471 ft² (43.8 m²)	238 ft² (22.1 m²)	160 ft² (14.9 m²)	121 ft² (11.2 m²)	82 ft² (7.6 m²)	62 ft² (5.8 m²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	627 ft² (58.2 m²)	315 ft² (29.3 m²)	212 ft² (19.7 m²)	160 ft² (14.9 m²)	108 ft² (10 m²)	82 ft² (7.6 m²)

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.