

Fusion Pro® Single Component® Grout

1 Product Name

Fusion Pro® Single Component® Grout

2 Manufacturer

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3 Product Description

Fusion Pro® is a professional grade grout that features unsurpassed stain resistance with no sealing required. Its Single Component® formula is ready to use, color consistent and easy to spread and clean. Fusion Pro can be used in commercial and residential environments, interiors and exteriors, and on walls and floors. Its patented formulation can be used on all tiles and has built-in Microban antimicrobial product protection.

Key Features

- Unsurpassed stain resistance
- Easy to spread and clean
- Ultimate color consistency

Uses

- Use to fill joint widths 1/16" to 1/2" (1.6-13 mm)
- May be used for both floor and wall installations
- Exterior and interior applications.
- Commercial and residential applications
- Countertops, tub surrounds, showers and high traffic areas

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Cement-based precast terrazzo
- Polished, natural stone
- Groutable luxury vinyl tile

Composition of Product

Advanced polymers with inorganic fillers and pigments.

Benefits of Product in the Installation

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



Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50° F (10° C) or above 90° F (32° C).
- Some ceramic, glass, 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 are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. See the General Surface Prep section for details.
- Do not use Fusion Pro with irregularly shaped or spaced tile or stone, such as pebble stones, where joint widths or depths exceed 1/2".
- 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](#).
- Not for use over concrete slabs with high moisture emission rates.
- Not for use in steam rooms or submerged applications (swimming pools, spas, water features and fountains).

Packaging

- Available in 1 gallon pails.
- Available in 24 standard colors.

4 Technical Data

Approvals

Meets the performance criteria of A118.7 and A118.3.

Technical Chart

Tests	Method	Results
Hardness at 28 days	ASTM D 2240 (Shore D)	76
Compressibility (psi grout joint)	CBP Method	3380
Shrinkage	CBP Method	0.013
Stain	CTIOA T-72- MODIFIED	0.5-1
Cleanability	as per 118.3	Pass
Chem Resistance	ASTM C267	Pass
Vertical Joint Sag	as per 118.3	Pass



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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

Tile surface should be clean, free from dust or any foreign matter. Dampen the tile surface while removing dust or mortar residues. Do not allow water to puddle in the grout joints. Use grout release or sealers such as [Aqua Mix® Grout Release](#) or [Sealer's Choice® Gold](#) for porous or rough tiles that may be hard to clean, including quarry or limestone, or when using a grout that contrasts with the color of the tile. Try a test patch to be sure. Clean uncured materials from these surfaces immediately with soap and water.

Mixing Procedures

Ready to use – no mixing required.

Application of Product

Fusion Pro is a new technology grout with significant advantages over traditional grouts, requiring modified installation techniques to achieve best results. Do not apply or clean up this grout as typically done with cement or epoxy grout.

Keep tile surface moist between spreading and cleaning. Fusion Pro cures by evaporation, do not allow Fusion Pro to dry or skin over during spreading and prior to final cleaning.

Depending on the tile, use a standard gum rubber or polyoxylene grout float. Spread grout and fill joints for 3-4 minutes [typically 20 sq. ft (1.9 M²)] or just before Fusion Pro starts to skin. Be sure to rewet that surface with clean water. (More can be spread in cool, damp conditions, less in hot, dry conditions.) Use the float to remove as much excess grout as possible while leaving the joints full.

When grouting both vertical and horizontal substrates together, protect horizontal substrate from excess wash water by covering the area prior to grout installation.

Cleaning can begin immediately (starting at the initial spreading point) using a light, circular motion with a moderately damp grout sponge to loosen excess grout from the tile surface. Option: Add [Aqua Mix Grout Haze Clean-Up](#) to your wash bucket if desired. To extend working time, rewet as necessary with a moderately damp grout sponge as conditions dictate. Use a damp grout sponge to clean excess grout residue and shape joints.

Start at the initial point again, and lightly drag a semi-wet sponge diagonally across the tile to remove the grout slurry/residue. Rinse sponge and change rinse water frequently. If dried on the surface, rewet Fusion Pro, wait 2-4 minutes and lightly clean the tile surface using a sponge (or a white nylon scrubber if needed) to remove residue, taking care to leave the joints full. (Applying water and allowing dwell time works better than scrubbing) Follow up with a final rinse. Use plenty of fresh water and a light touch for the final cleaning and removal of residue.

For best results drag a damp microfiber towel across tile surface for final removal of residue and standing water on the tile surface. If streaks or residue remain after grout has skinned over (more than 2 hours), use undiluted concentrations of [TileLab® Grout & Tile Cleaner](#) or [Aqua Mix® Grout Haze Clean-Up](#). Allow to soak for 4-5 minutes and use a white nylon scrub pad, although you may be able to wipe the tile surface clean immediately depending on the conditions. Buff tile surface with a towel to remove cleaner residue.

Curing of Product

Allow 24 hrs until light traffic, and 3 days at 70° F (21° C) and 50% relative humidity before intermittent water exposure. Lower temperatures and higher humidity will slow the cure times. Covering Fusion Pro immediately after grouting will extend the cure time. Grout should be allowed to cure 24 hours before covering with a highly-porous protective material to insure a timely cure to protect the surface from other trades traffic. 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 Grout

Sealing is not necessary. Do not use solvent-based sealers with Fusion Pro.

Cleaning of equipment

Clean tools and hands with water before material dries.

Health Precautions

Contains ethylene glycol, 2-butoxy ethanol and acrylic latex. Avoid contact with eyes and skin. Do not take internally. CAUTION: KEEP OUT OF REACH OF CHILDREN. Use in well-ventilated areas. Wear chemical resistant gloves and eye protection. FIRST AID: If eye or skin contact, flush thoroughly with water. In case of respiratory tract irritation, move person to fresh air. If irritation persists, seek medical attention. If ingested, do not induce vomiting. Seek medical attention. This product contains a chemical or chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



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6 Availability & Cost

Color #	Color	Item Code	Size	Package
#9	Natural Gray	FP091-2T	1 gal (3.78 L)	Pail
#10	Antique White	FP101-2T	1 gal (3.78 L)	Pail
#19	Pewter	FP191-2T	1 gal (3.78 L)	Pail
#35	Chaparral	FP351-2T	1 gal (3.78 L)	Pail
#45	Summer Wheat	FP451-2T	1 gal (3.78 L)	Pail
#52	Tobacco Brown	FP521-2T	1 gal (3.78 L)	Pail
#59	Saddle Brown	FP591-2T	1 gal (3.78 L)	Pail
#60	Charcoal	FP091-2T	1 gal (3.78 L)	Pail
#101	Quartz	FP601-2T	1 gal (3.78 L)	Pail
#105	Earth	FP1051-2T	1 gal (3.78 L)	Pail
#122	Linen	FP1221-2T	1 gal (3.78 L)	Pail
#127	Antique Linen	FP1271-2T	1 gal (3.78 L)	Pail
#135	Mushroom	FP1351-2T	1 gal (3.78 L)	Pail
#145	Light Smoke	FP1451-2T	1 gal (3.78 L)	Pail
#156	Fawn	FP1561-2T	1 gal (3.78 L)	Pail
#165	Delorean Gray	FP1651-2T	1 gal (3.78 L)	Pail
#180	Sandstone	FP1801-2T	1 gal (3.78 L)	Pail
#183	Chateau	FP1831-2T	1 gal (3.78 L)	Pail
#185	New Taupe	FP1851-2T	1 gal (3.78 L)	Pail
#333	Alabaster	FP3331-2T	1 gal (3.78 L)	Pail
#380	Haystack	FP3801-2T	1 gal (3.78 L)	Pail
#381	Bright White	FP3811-2T	1 gal (3.78 L)	Pail
#382	Bone	FP3821-2T	1 gal (3.78 L)	Pail
#386	Oyster Gray	FP3861-2T	1 gal (3.78 L)	Pail

7 Product Warranty

Custom® Building Products warrants to the original consumer/purchaser that Fusion Pro® Single Component® Grout shall be free from color fading; staining; shrinkage cracking; mold growth within the product; and break down in wet environments due to defects in material and workmanship under normal and proper usage for a period of five (5) years 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.

When Fusion Pro® Single Component® Grout is used as a part of a qualifying full installation system of CUSTOM products, the installation can qualify for up to a lifetime system warranty. CUSTOM will repair and/or replace, at its discretion, the affected area of the system. For more information, find details and limitations to this warranty at custombuildingproducts.com.

8 Product Maintenance

Clean with a neutral cleaner such as [Aqua Mix AquaKleen](#), [Aqua Mix Concentrated Stone & Tile Cleaner](#) 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 Filing System

Additional product information is available from the manufacturer upon request.

Handling & Storage

Protect grout from freezing. If product freezes, return to room temperature and use as directed. Do not stir if partially frozen.

Related Products

Polyblend® Ceramic Tile Caulk

Commercial 100% Silicone Caulk

Aqua Mix® Grout Haze Clean-Up

Aqua Mix® Grout Release

TileLab® Grout & Tile Cleaner



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Coverage

Coverage will vary depending on the tile size and joint width. Average coverage per entire contents.

SQUARE FOOT COVERAGE PER 1 GALLON PAIL (SQUARE METER COVERAGE PER 3.78 L)

Tile Size	Joint Width					
	1/16" (1.6 MM)	1/8" (3 MM)	3/16" (4.8 MM)	1/4" (6 MM)	3/8" (9.5 MM)	1/2" (13 MM)
1"x1"x1/4" (25 x 25 x 4.5 mm)	56 ft ² (5.2 M ²)	31 ft ² (2.9 M ²)	24 ft ² (2.2 M ²)	18 ft ² (1.7 M ²)	14 ft ² (1.3 M ²)	12 ft ² (1.1 M ²)
2"x2"x1/4" (50 x 50 x 6 mm)	107 ft ² (9.9 M ²)	56 ft ² (5.2 M ²)	41 ft ² (3.8 M ²)	30 ft ² (2.8 M ²)	22 ft ² (2.0 M ²)	19 ft ² (1.8 M ²)
6"x6"x1/4" (150 x 150 x 6 mm)	313 ft ² (29.1 M ²)	159 ft ² (14.8 M ²)	115 ft ² (10.7 M ²)	82 ft ² (7.6 M ²)	56 ft ² (5.2 M ²)	46 ft ² (4.3 M ²)
12"x12"x3/8" (300 x 300 x 9.5 mm)	414 ft ² (38.5 M ²)	208 ft ² (19.3 M ²)	141 ft ² (13.1 M ²)	106 ft ² (9.8 M ²)	71 ft ² (6.6 M ²)	53 ft ² (4.9 M ²)
18"x18"x3/8" (460 x 460 x 9.5 mm)	619 ft ² (57.5 M ²)	311 ft ² (28.9 M ²)	209 ft ² (19.4 M ²)	157 ft ² (14.6 M ²)	106 ft ² (9.8 M ²)	78 ft ² (7.2 M ²)



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