Fusion Pro® Single Component® Grout Designer Series



1. Product Name

Fusion Pro® Single Component® Grout Designer Series

2. Product Description

Fusion Pro® Designer Series contains reflective color pigments that sparkle and enhance the look of a tile installation. It is a professional grade grout that features unsurpassed stain resistance with no sealing required. Fusion Pro Designer Series 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. U.S. Patents 8,349,068, 8,357,238, 8,876,966.

Key Features

- Designer-inspired reflective color accents
- Single-Component formula requires no mixing
- Stain proof and color perfect
- Never needs sealing -Easy to spread and clean

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

Composition of Product

Advanced polymers with inorganic fillers and pigments.

Benefits of Product in the Installation

- 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, metal, 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).
- Not for use in movement joints or changes of plane in the tile installation. In these areas us an appropriate caulk or sealant such as Commercial 100% Silicone Caulk or Polyblend® Ceramic Tile Caulk.

Packaging

- Available in 1 quart buckets.
- Available in 8 colors.

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

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

3. Instructions

General Surface Prep

USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

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.

Application of Product

- Pre-seal natural stones and porous or rough textured tile and fogged glass with Aqua Mix® Grout Release, Aqua Mix® Sealer's Choice® Gold or TileLab® SurfaceGard®.

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- Fusion Pro cures by evaporation. Ensure setting material has dried, substrate does not have a high moisture emission rate and work area has adequate ventilation.
- Only spread for 3-4 minutes, typically 20 sq. ft. (1.85 m²) before cleaning grout off the tile surface. More can be spread in cool, damp conditions; less in hot, dry conditions.
- Do not allow Fusion Pro to dry or skin over prior to final cleaning. If grout dries on surface during installation, lightly moisten and wait 2-4 minutes, then gently clean tile surface using sponge or white nylon scrubber.

Download the Fusion Pro Installation Guide on our website for additional details.

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.

Lightly dampen tile surface before spreading. Do not allow any water to puddle on the surface of the tile or in the grout joints. Use a medium to hard grout float to spread grout. Spread grout and fill joints for 2 minutes, typically 10 sq. ft. (0.9 m²) increments. More grout can be spread in cool, damp conditions; less in hot, dry conditions. Drag the edge of the float diagonally across the tile to remove excess grout while leaving the joints full. Cleaning of grouted area should begin immediately, before grouting next section.

Use a lightly damp grout sponge held flat against the tile. Working the entire 20 sq. ft. area, use a circular motion and moderate pressure to loosen any grout that is still adhered to the tile surface. Limit the number of times you rinse out the sponge at this stage. The residue on the sponge will help break up and soften residue on the surface of the tile. Do not over scrub as it may pull grout out of the joints. Grout joints must remain full. In areas where the Fusion Pro is well-adhered, leaving a visible film that is not releasing from the surface of the tile, re-apply a small amount of Fusion Pro. Slurry the grout with the clean up sponge until clean (approximately 30 seconds). Wipe the area clean with a rinsed, lightly damp sponge, followed by a lightly damp microfiber towel.

Once grout on tiled surfaces has been loosened, thoroughly rinse and wring out the sponge.
Wipe the sponge once across the grouted tile diagonally to clean the face of the tile and create smooth consistent grout joints.
Flip the sponge over and continue cleaning the next area.
Rinse, wring and repeat until you have dragged a clean sponge face across the entire 20 sq. ft. area of freshly grouted tile.

Lastly, drag a lightly damp microfiber towel across the surface for final clean up. Do not allow Fusion Pro to dry or skin over prior to final cleaning. If grout dries on the surface, lightly moisten and wait 2-4 minutes, then gently clean the tile surface using a sponge (or a white nylon scrubber) to remove residue. If streaks or residue remain after 2 hours, use diluted Aqua Mix® Grout Haze Clean-Up, Aqua Mix® Non-Cement Grout Haze Remover, TileLab® Grout & Tile Cleaner or TileLab® Heavy Duty Stripper & Cleaner and clean with a sponge or scrub pad. Additional instruction and videos available online.

Curing of Product

Allow 24 hrs until light traffic, and 7 days at 70° F (21° C) and 50% relative humidity before intermittent water exposure (such as a shower enclosure). 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 ensure 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

Fusion Pro is a stain resistant grout. Sealing is not necessary. If sealing of the tile is necessary, use a water based sealer like AquaMix Sealer's Choice Gold and wipe off excess on grout joints. 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.

4. Size & Availability

Item Code	Size	Grout Color	Package
FPD550QT-4	1 qt (0.94 L)	#550 Starlight	Bucket
FPD551QT-4	1 qt (0.94 L)	#551 Moonshadow	Bucket
FPD553QT-4	1 qt (0.94 L)	#553 Glitter	Bucket
FPD554QT-4	1 qt (0.94 L)	#554 Raw Sugar	Bucket
FPD555QT-4	1 qt (0.94 L)	#555 Starry Night	Bucket
FPD556QT-4	1 qt (0.94 L)	#556 Gold	Bucket
FPD557QT-4	1 qt (0.94 L)	#557 Diamond Dust	Bucket
FPD558QT-4	1 qt (0.94 L)	#558 Sunset Bronze	Bucket

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.

5. Product Warranty

Custom® Building Products warrants to the original consumer

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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.

Also see the Fusion Pro Stain Proof, Color Perfect grout warranty.

6. Product Maintenance

Properly installed product requires no special maintenance.

7. Technical Services Information

For technical assistance, contact Custom technical services at 800-272-8786 or visit custombuildingproducts.com.

8. Filing System

Additional product information is available from the manufacturer upon request. Also refer to CUSTOM Technical Bulletins: TB57: Grout Maintenance TB77: Installing Fusion Pro TB85: Grout Joint Width Considerations TB86: Grout Joints Less than 1/8"

Related Products

Fusion Pro® Single Component® Grout
Aqua Mix® Sealer's Choice® Gold
Aqua Mix® Grout Haze Clean-Up
Aqua Mix® Grout Release
TileLab® SurfaceGard® Sealer
TileLab® Grout & Tile Sealer

Coverage Chart

1 quart pail of Fusion Pro Designer Series in ft² (m²) per quart