



## Grout Additive for Enhanced Stain Resistance



### DESCRIPTION

Grout Maximizer is a premium latex-based additive for mixing with Keracolor™ S or Keracolor U Portland-cement-based grout to increase resistance to water, dirt and oil-based stains.

### FEATURES AND BENEFITS

- Increased stain resistance\*
- No sealing required after curing
- Does not affect grout color
- Easy to use in place of water for mixing with Keracolor S or Keracolor U
- Repels dirt and stains
- Reduces water absorption, improves flexural strength and reduces shrinkage of Portland-cement-based grout
- Complements approved uses of Keracolor S or Keracolor U Portland-cement-based grout for interior/exterior, residential/commercial walls and floors
- Maintains application properties of the grout it is used with
- Improves routine cleaning maintenance

### INDUSTRY STANDARDS AND APPROVALS

<u>LEED Points Contribution</u>	<u>LEED Points</u>
MR Credit 5 Regional Materials **	Up to 2 points
IEQ Credit 4.1, Low-Emitting Materials: Adhesives & Sealants	1 point

\*\* Using this product may help contribute to LEED certification of projects in the categories shown above. Points are awarded based on contributions of all project materials.

### WHERE TO USE

- For interior/exterior use
- For areas needing increased stain resistance
- For use with Keracolor S or Keracolor U

### LIMITATIONS

- Do not install over substrates containing asbestos.
- Do not use with grouts that already claim stain resistance.
- Do not use with fast-setting grouts.
- Do not use with ready-to-use, premixed grouts or epoxy grouts.
- Do not use where chemical resistance is required.
- Do not mix with any other additives.
- Porous tile may require sealing to prevent grout from absorbing into the tile.

### MIXING

Note: Choose all appropriate safety equipment before use. Refer to Material Safety Data Sheet (MSDS) for more information.

1. Shake well before using.
2. For best results, have the same person mix all of the grout. Consistent mixing techniques will promote more uniform results.
3. Pour the appropriate premeasured amount per the label of Grout Maximizer into a clean mixing container. Gradually add the proportionate amount of Keracolor S or Keracolor U while slowly mixing. To avoid shade variation of the finished joint, always add the powder to the additive while being consistent in the mixing process.

\* With immediate cleaning and proper maintenance. Long-term exposure to any material can increase the potential for staining grout.



4. Mix thoroughly with a low-speed mixer (at about 350 rpm) for about 3 to 5 minutes, or until obtaining a smooth, creamy, homogenous paste consistency and a uniform shading of the colored grout.
5. Allow the grout to sit ("slake") in the container for about 3 to 5 minutes.
6. Remix for about 1 to 2 minutes without adding more liquid or dry powder.

Note: Applicators desiring a heavier grout consistency may withhold 3 to 6 U.S. oz. (89 to 177 mL) of *Grout Maximizer* from the mixture, and then add enough *Grout Maximizer* to achieve the preferred consistency before completing the initial mixing.

## **MAINTENANCE**

- Enhanced stain resistance is available with immediate cleaning of staining agents and proper maintenance.
- Spills should be wiped up immediately and scrubbed with warm water, mild detergent and a white nylon scrubbing pad or cleaning brush for at least 1 minute before a clean-water rinse.
- Routine everyday cleaning is permissible with neutral-pH cleaners.
- Grease/soap buildup stains require alkaline-based cleaners or degreasers.
- Efflorescence removal requires sulfamic-based acid cleaners.

## **STAIN REMOVAL**

1. Dampen the stained grout area with warm water.
2. Apply a cleansing agent to the surface and allow it to sit for 30 seconds.
3. Scrub the area with a white nylon scrubbing pad or cleaning brush for at least 1 minute and rinse with clean water.
4. If additional scrubbing is required, re-apply the cleansing agent and let it sit for several minutes before scrubbing and rinsing.

## **PRODUCT APPLICATION**

1. Read all installation instructions thoroughly before installation.
2. Apply grout in accordance with the manufacturer's instructions.
3. Clean tools with water after each use.

## **PROTECTION**

- Allow grout to cure for at least 21 days before starting routine cleaning.
- Protect the finished installation from heavy traffic for 72 hours.
- Protect from water immersion and freezing for 21 days.
- Protect container from freezing during shipment.



## Product Performance Properties

Laboratory Tests	Results
VOCs (Rule #1168 of California's SCAQMD)	47 g/L
<b>Keracolor S mixed with Grout Maximizer, as compared to Keracolor S with water:</b>	
When tested in accordance with ISO 13007-4 classifications	
Total shrinkage	Reduced as much as 30%
Flexural strength, 28 days	Increased as much as 25%
Water absorption	Reduced by as much as 70%
When tested in accordance with ANSI A118.6/7 standards	
Linear shrinkage, 7 days	Reduced by as much as 25%
Water absorption, 50% relative humidity	Reduced by as much as 50%
Water absorption, immersion to dry	Reduced by as much as 30%
Tensile strength, 28 days	Increased by as much as 30%
Flexural strength, 7 days	Increased by as much as 20%
<b>Keracolor U mixed with Grout Maximizer, as compared to Keracolor U with water:</b>	
When tested in accordance with ISO 13007-4 classifications	
Total shrinkage	Reduced as much as 30%
Flexural strength, 28 days	Increased as much as 20%
Water absorption	Reduced by as much as 60%
When tested in accordance with ANSI A118.6/7 standards	
Linear shrinkage, 7 days	Reduced by as much as 25%
Tensile strength, 28 days	Increased by as much as 25%
Flexural strength, 7 days	Increased by as much as 20%

## Shelf Life and Application Properties

Shelf life	2 years
Color	Milky white

## Packaging

Product Code	Size
03532	25.6 U.S. oz. (757 mL) for <i>Keracolor S</i>
03502	64 U.S. oz. (1,86 L) for <i>Keracolor S</i>
03575	49 U.S. oz. (1,45 L) for <i>Keracolor U</i>

## Approximate Product Coverage

Please refer to appropriate grout's Technical Data Sheet for product coverage. Coverage rate will vary based on application method, tile size, width of joint and porosity.



### Limited 15-Year Product Warranty

- Warrants that product will resist stains under normal usage
- Separate warranty is posted on the Website linked to the *Grout Maximizer* product page.
- Exclusive remedy: replacement product for affected area
- For warranty coverage information regarding performance properties when *Grout Maximizer* is mixed with *Keracolor S* or *Keracolor U*, see MAPEI's group product warranty for Tile & Stone Installation Systems.

Refer to the Material Safety Data Sheet (MSDS) for specific data related to VOCs, health and safety, and handling of product.

### STATEMENT OF RESPONSIBILITY

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith.

**ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

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For the most current BEST-BACKED™ product data and warranty information, visit [www.mapei.com](http://www.mapei.com).

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