

UltraCare Grout Maximizer

Grout Additive for One-Step Grouting and Sealing



DESCRIPTION

UltraCare® Grout Maximizer is a neutral-pH, fluoro-based, liquid polymer admixture for Keracolor® S Sanded Grout and Keracolor U Unsanded Grout Portland-cement-based grouts, to be used in place of water. UltraCare Grout Maximizer optimizes resistance to water and oil-based stains, increases grout hardness and improves color consistency.

FEATURES AND BENEFITS

- Increased stain resistance*
- No sealing required after curing
- Improves grout color consistency
- Reduces the potential for efflorescence to develop
- Easy to use in place of water for mixing with Keracolor S Sanded Grout and Keracolor U Unsanded Grout
- Repels dirt and stains
- Reduces water absorption, improves flexural and compressive strength, and reduces shrinkage of Portland-cement-based grout
- Complements approved uses of Keracolor S Sanded Grout and Keracolor U Unsanded Grout Portland-cement-based grouts for interior/exterior, residential/commercial walls and floors
- Maintains application properties of the grout that it is used with
- Improves routine cleaning maintenance

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

WHERE TO USE

- For interior/exterior use
- For areas needing increased stain resistance
- For use with *Keracolor S Sanded Grout* and *Keracolor U Unsanded Grout*

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.
- Use only in temperatures between 50°F and 100°F (10°C and 38°C).

MIXING

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

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 *UltraCare Grout Maximizer* into a clean mixing container. Gradually add the proportionate amount of *Keracolor S Sanded Grout* or *Keracolor U Unsanded Grout* 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.
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 15% to 20% of *UltraCare Grout Maximizer* from the mixture, and then add enough *UltraCare Grout Maximizer* to achieve the preferred consistency before completing the initial mixing.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Apply grout in accordance with the grout's Technical Data Sheet (TDS).
2. 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.

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.

STAIN REMOVAL

1. Dampen the stained grout area with warm water.
2. Apply an appropriate *UltraCare* cleaner or problem-solver to the surface, allowing 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 Performance Properties

Laboratory Tests		Results
VOC content (SCAQMD Rule 1113)		<100 g per L
Typical VOC content per SCAQMD Rule 1113 testing methods		47 g per L
<i>Keracolor S Sanded Grout mixed with UltraCare Grout Maximizer, as compared to Keracolor S Sanded Grout with water:</i>		
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%
<i>Keracolor U Unsanded Grout mixed with UltraCare Grout Maximizer, as compared to Keracolor U Unsanded Grout with water:</i>		
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

Size
64 U.S. oz. (1.86 L) for 25-lb. (11.3-kg) bag of <i>Keracolor S Sanded Grout</i>
49 U.S. oz. (1.45 L) for 10-lb. (4.54-kg) bag of <i>Keracolor U Unsanded Grout</i>

APPROXIMATE COVERAGE

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

ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (SDS) for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA).

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **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.**

CONTACT INFORMATION

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For the most current product data and BEST-BACKEDSM warranty information,
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