

500 POLYMER MODIFIED UNSANDED WALL GROUT

BASIC USES

For grouting all types of ceramic wall tile, marble, glass mosaics or mosaic tile where joints width is 1.5 mm (1/16") to 3mm (1/8"). Recommended for interior applications only.

LIMITATIONS

Do not mix with latex grout additives, as this grout contains polymer additives. Use only on surfaces which are maintained at a temperature above 10°C (50°F) and below 35°C (100°F) during application and for at least 72 hours after application. Do not use 500 Wall Grout on floors or for exterior applications. Some ceramic tile may be stained by colored grouts. Do a test patch, or check with tile manufacturer to see if pre-sealing of tile is required.

COMPOSITION AND MATERIALS

Flextile 500 Polymer Modified Wall grout is a premium Portland cement-based grout containing finely ground fillers, colorfast pigments, and polymer additives to provide superior flexural and bond strengths. It is designed to be mixed with water and does not require the addition of latex additives. It cures to provide a dense, hard, wear-resistant joint.

TECHNICAL DATA

Exceeds ANSI A118.6 & A118.7 requirements

Typical Physical Properties

| | |
|--------------------------|---|
| Pot Life | 1 hour |
| Initial Cure | 12 - 24 hours |
| Final Cure | 28 days |
| Flexural Strength | 6.9 MPa (1000 psi) |
| Compressive Strength | 18.8 MPa (2730 psi) |
| Cured Density | 1.50 |
| Specific Gravity (paste) | 1.70 |
| pH (paste) | 12.0 |
| Cleanability: | with water before material dries |
| Shelf Life: | 1 year from production date when stored in dry, heated conditions |

FEATURES

- Ultra strong
- Smooth, tight surface for easier maintenance
- Enhanced color richness
- Improved stain resistance
- Easy to use - just mix with water and apply

Coverage: Approximate amount of grout per 10 Ft² (.93 M²)

| TILE SIZE | JOINT SIZE | |
|------------------------------------|-------------------|--------------------|
| | 1.5mm (1/16") | 3 mm (1/8") |
| 1 x 1 x 1/4" 25 x 25 x 6 mm | | 3.5 lbs 1.6 kg |
| 1 x 2 x 1/4" 25 x 51 x 6 mm | | 2.5 lbs 1.2 kg |
| 2 x 2 x 1/4" 51 x 51 x 6 mm | | 2.0 lbs 1.0 kg |
| 3 x 3 x 1/4" 76 x 76 x 6 mm | | 1.7 lbs 0.75 kg |
| 4 x 4 x 1/4" 100 x 100 x 6 mm | 1.2 lbs 0.5 kg | 2.5 lbs 1.2 kg |
| 6 x 6 x 1/4" 150 x 150 x 6 mm | 1 lbs 0.5 kg | 2 lbs 1 kg |
| 6 x 8 x 1/4" 150 x 200 x 6 mm | 0.8 lbs 0.4 kg | 1.6 lbs .8 kg |
| 8 x 8 x 3/8" 200 x 200 x 10 mm | 1.0 lb 0.5 kg | 2 lbs 1 kg |
| 8 x 10 x 3/8" 200 x 250 x 10 mm | 0.8 lbs 0.4 kg | 1.6 lbs .8 kg |
| 8 x 12 x 3/8" 200 x 300 x 10 mm | 0.7 lbs 0.4 kg | 1.5 lbs .7 kg |

INSTALLATION

PREPARATORY WORK

Ceramic tile surfaces must be clean and setting materials must be adequately cured prior to grouting. Remove spacers and rake out high ridges of setting material from tile joints prior to grouting to ensure uniform grout thickness. Tile joints must be clean and free of dirt, dust or other foreign matter prior to grouting. Do a test patch to see if presealing of tile is required to avoid staining of the tile.

APPLICATION

Add cool, clean water to powdered grout and mix to a stiff, spreadable consistency. Do not use excessive water for mixing, as this will negatively affect the final cure and appearance of the grout. Avoid using water with a high chemical or mineral content. Mix by hand, or with a slow speed mixer (maximum 150-RPM). Let mixed material sit for 5-10 minutes, then re-mix without adding further water.

Dampen surface of tile slightly with clean water before grouting to make spreading of grout easier. Spread grout with a hard rubber float, working diagonally to joints and using wrist action to fully pack the joints. Holding the float at 90° to the tile surface, use diagonal passes to remove excess grout from the surface. Finished grout joint should be flush with the edge of the square-edged tile, or tooled to the glazed edge of cushion-edged tile.

Allow grout to sit until firm in the joints, then clean the tile surface using small amounts of clean water and a clean, damp cheese cloth, towel, or sponge. Clean wash water frequently during clean-up. Avoid leaving any excess water on the surface of grout joints during clean-up, as this can affect color uniformity.

CURING

Cure for a minimum of 24 hours and preferably damp cure for 72 hours prior to exposure to traffic. Protect from direct exposure to moisture until thoroughly dry.

Allow grout joints to cure for at least 21 days prior to applying any type of sealer.

CAUTION

Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid extended contact with skin where possible and wash exposed skin areas promptly with water. If any cement or cement mixtures get into the eye, rinse immediately and repeatedly with water and get prompt medical attention. Keep out of reach of children.

SAFETY

Refer to Flextile Material Safety Data Sheet for detailed health and safety information.

AVAILABILITY AND COSTS

Flextile 500 Polymer Modified Unsanded Wall Grout is available in 20 colors (see color sample chart, or grout chip color samples) from Flextile Ltd. and its distributors in 11.3 kg (25 lb), and 2 kg (4.4 lb) sizes.

Cost: Data supplied upon request.

WARRANTY

Flextile warrants that this product is of merchantable quality and is suitable for the purpose for which it is intended. Flextile's liability under this warranty shall be limited to replacement of its product found to be defective or, at its option, a refund of the purchase price.

MAINTENANCE

No maintenance is required except where damages result from unforeseen circumstances. Repair procedures shall be directed by Flextile or its distributors.

TECHNICAL SERVICES

Flextile maintains a well-equipped laboratory able to test its products in conjunction with the products with which they are used. Technical assistance for use of Flextile products is available upon request.

RELATED REFERENCES

Current editions of: Ceramic Tile Installation Manual (09300) from the TTMAC & TCA Ceramic Tile Installation Handbook.

FLEXITILE PRODUCTS COMPLY WITH THE BUY AMERICA PROGRAM AS OUTLINED BY THE UNITED STATES GOVERNMENT, INCLUDING WHEN FEDERAL FUNDS ARE USED.