

Product Data Sheet

DESCRIPTION:

3600 Tile Grout is a three-component jointing compound, used to re-point tile or for new installations. It can also be used to repair non-moving cracks in concrete. 3600 Tile Grout is U.S.D.A. acceptable for use in food processing plants and has excellent resistance to most acids, caustics, detergents, and other corrosive chemicals.

ADVANTAGES:

- Prepackaged, Easy To Use
- U.S.D.A. Acceptable.
- Chemical Resistant
- Quick Cure - Short Down Time
- 100% solids

USES:

- Brick Or Tile Joints
- Cracks And Non-moving Joints
- Under-layment For Brick Or Tile

PACKAGING AND COVERAGE:

3600 Grout - packaged in batches -
1 batch kit - is the equivalent of approximately 231 cubic inches (1 gallon), and consists of –
1 container – Part A (resin)
1 container – Part B (hardener)
1 bag – Part C (chemical resistant aggregate)

PROPERTIES:

Compressive Strength (ASTM C-579) <resin>	11,500 psi	Impact Strength:	100 inch pounds
Tensile Strength (ASTM D-638) <resin>	1,750 psi	Working Time at 75°F (24°C) (ASTM C-308):	20-30 minutes
Coefficient of Thermal Expansion:	1.4 x 10 ⁻⁵ in./in. ^{0f}	Water Absorption (ASTM C-413)	0.056%
Flexural Strength (ASTM C-580) <resin>	3,500 psi	Colors:	Red, Gray Black

SURFACE PREPARATION:

3600 Tile Grout may be installed only on clean, sound substrates

Concrete:

New concrete must be cured a minimum of 28 days. All coatings, oils, grease and unsound concrete must be removed. Concrete surfaces must then be acid etched, scarified or shot blasted to remove surface laitance. A good bonding tooth, the texture of 60 grit sandpaper, is desired for maximum adhesion, with removal of all surface glaze.

Metal Surfaces:

Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. The blasting media used shall be properly graded, clean, sharp, angular abrasive similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

MIXING:

Prior to mixing, materials should be stored at 70^oF (21^oC) at least 48 hours. Empty the entire contents of Part B into Part A and mix thoroughly for 2 minutes. Empty mixture into a mixer and slowly add Part C (powder) to the desired consistency. Mix for 2 minutes. Pour the mixture onto the floor immediately after mixing. Do not allow the mixture to sit in a pail as this will greatly reduce the working time of the material.

APPLICATION:

Substrate temperature should be 65^o-85^oF (18^o-29^oC) during installation and 96 hours thereafter for complete cure. Do not apply 3600 Tile Grout when floor temperature is below 60^oF (16^oC). Pour material on the surface and using a trowel or grout float, work material down into cracks. Remove as much excess material from surface immediately. After 15-20 minutes, wipe surface of tile with warm water and detergent; using a rag, burlap or synthetic pad. This procedure can be repeated after approximately 1 hour if material residue remains. Do not allow excess material to harden on the surface of tile or it will be difficult to remove.

CURE TIME:

3600 Tile Grout will harden to foot traffic in 10-12 hours at 75^oF (24^oC). Maximum chemical resistance will develop after 96 hours of cure time at 75^oF (24^oC).

CLEANUP:

Cured or hardened 3600 Tile Grout will bond to practically all surfaces and is extremely difficult to remove. Clean all tools and mixer immediately after use with acetone or other solvent based cleaners.

SAFETY:

Avoid skin contact. If eye contact occurs, flush with water and consult a physician immediately. Keep work areas well ventilated. Never seal a container of mixed Part A and B as the continuing exothermic reaction may cause container to explode. 3600 Tile Grout Material Safety Data Sheets are available upon request.

Limited Warranty

Milamar Coatings products are manufactured to be free of defects in material and workmanship in meeting the properties specified on its individual Product Data Sheets. Users and installers of Milamar Coatings products are solely responsible for determining the suitability of the products for specific product applications. Milamar Coatings makes no Warranty or Guarantee, express or implied, including warranties of fitness, design compatibility or merchantability, for any particular use and

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