

Product Data Sheet

DESCRIPTION:

3500 Grout is trowel-applied epoxy at a minimum of ½ inch thick. It is used to fill eroded areas or create a pitch prior to the application of a 3000 series flooring systems. 3500 Grout can be installed up to 8" thick and requires minimal cure time before the application of a top coat.

ADVANTAGES:

- 100% Compatible With Finish Systems
- Stronger Than Concrete Fill
- Minimal Cure Time Required
- Can Be Applied Down To 1/2".
- Prepackaged; Easy To Mix
- Compacts And Trowels Easily
- Excellent Adhesion

USES:

- Fill Damaged Areas
- Build Up Low Areas
- Curbs and Pads
- Patch Machinery Footprint Damage
- Slope To Drains

SUPPLEMENTAL PRODUCTS:

- 3300 Primer

PACKAGING AND COVERAGE:

3500 Grout – packaged in batches -

1 Batch Kit – covers approximately 8 square feet at ½ inch (500mils), consisting of the following –

- 1 container – Part A (resin)
- 1 container – Part B (hardener)
- 1 bag – Part C (chemical resistant aggregate)

3 Batch Kit – covers approximately 24 square feet at ½ inch (500 mils), consisting of the following –

- 1 container – Part A (resin)
- 1 container – Part B (hardener)
- 3 bags – Part C (chemical resistant aggregate)

Required – 3300 Primer

PROPERTIES:

Compressive Strength (ASTM C-579) <resin>:	11,500 psi	Solids Content	By Weight: 100% By Volume: 100%
Tensile Strength (ASTM D-638) <resin>:	1,750 psi	Working Time at 75°F (24°C) (ASTM C-308):	20-30 minutes
Bond Strength (ASTM C-321):	Greater than 350 psi; 100% concrete failure	Shelf Life:	1 Year
Flexural Strength (ASTM C-580) <resin>:	3,500 psi	Flammability:	Does not support combustion
Maximum Depth of Pour:	8 inches		

SURFACE PREPARATION:

3500 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°F (21°C) at least 48 hours. Required; 3300 Primer – empty entire contents of the Part B into Part A, and mix for 2 minutes. Roll primer on to floor area at a rate of 50 square feet per batch. 3500 Grout - empty the entire contents of Part B into Part A and mix thoroughly for 2 minutes. Empty mixed batch into mixer and slowly add the entire contents of Part

C (aggregate). 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 60^o-85^oF (18^o-29^oC) during installation and 96 hours thereafter for complete cure. Do not apply 3500 Grout when floor temperature is below 50^oF (16^oC). Pour the entire batch onto the floor as soon as blended and trowel smooth with a steel trowel. Only prime areas you expect to overlay within 1-2 hours.

CURE TIME:

3500 Grout will harden for to be top coated in 6-8 hours at 75^oF (24^oC). Full cure will occur after 96 hours at 75^oF (24^oC).

CLEANUP:

Cured or hardened 3500 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. 3500 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 shall have no responsibility or liability, including direct, indirect or consequential damages, due to injury, delay or third party claims for installation or repair. Likewise, Milamar Coatings assumes no liability of any nature for products that are adjusted in the field or that do not utilize all specified Milamar Coatings components. Should any Milamar Coatings product be proved to be defective within one year from the date of shipment, Milamar Coatings will, at its sole discretion, replace the material; issue a credit to the customer's account; or provide a cash refund for the initial, paid purchase price of the material. Potential claims regarding product quality must be received in writing by Milamar Coatings within 30 days of the discovery of such potential defect. This Warranty is exclusive of all other warranties, expressed or implied, and may only be adjusted in writing, signed by an officer of Milamar Coatings, L.L.C.

Milamar Coatings, L.L.C.

www.milamar.com

311 NW 122nd Street, Ste. 100

Oklahoma City, OK 73114

Ph.: 405.755.8448

Fax: 405.755.8450