



6510 Pourable Grout

Product Data Sheet

DESCRIPTION:

6510 Pourable Grout is a high strength, chemical resistant polymer grout. 6510 Pourable Grout is designed for deep pour projects, with a minimum pour thickness of one and one half inches.

ADVANTAGES:

- Can Be Installed Up To Several Inches Thick.
- Excellent Flow-ability
- Low Exotherm During Cure
- Temperature Resistant – Up To 210°F (99°C).
- Can Be Applied In Forms, By Trowel or Screed
- High Impact Resistance
- Excellent Chemical Resistance

USES:

Build or rebuild -

- Curbs
- Trenches
- Tank and Pump Pads
- Column Supports
- Equipment Pads
- Tank walls and floors

SUPPLEMENTAL PRODUCTS:

- 6000 FS Flooring System
- 6000 VS Vertical Surfaces and Covers
- 6600 LS Trenches and Sumps
- 6650 CS Walls and Ceilings
- Ultraprime Penetrating Moisture Cured Prime

PACKAGING AND COVERAGE:

6510 Pourable Grout – Small Unit – approximately 2.7 cubic feet of grout, and consists of the following –

- 1 - 5 gallon drum – Part A (resin)
- 1 - 16 ounce container – Part B (catalyst)
- 9 – bags – Part C (chemically resistant aggregate)
- 1 set - measuring tools

6510 Pourable Grout – Large Unit – approximately 27 cubic feet of grout, and consists of the following –

- 1 - 55 gallon drum – Part A (resin)
- 1 - gallon container – Part B (catalyst)
- 90 – bags – Part C (chemically resistant aggregate)
- 1 set - measuring tools

PROPERTIES:

Compressive Strength (ASTM C-579) <resin>:	14,000 psi	Water Absorption (ASTM C-413):	0.018%
Tensile Strength (ASTM D-638) <resin>:	11,600 psi	Working time at 75°F (24°C) (ASTM C-308):	20-30min
Bond Strength (ASTM C-321):	Greater than 350 psi; 100% concrete failure	Shelf Life:	90 days
Coefficient of Thermal Expansion:	1.2 x 10 ⁻⁵ in./in./°F	Colors:	Gray, Red, Black
Impact Strength:	160 in./lbs.	Solids by Content:	By Weight: 94% By Volume: 88%
Indentation (MIL-D-3134F):	No indentation	Flexural Strength:	14,800 psi
Abrasion Resistance (ASTM D-1044):	35 milligrams	VOC, mixed:	127 grams/liter

SURFACE PREPARATION:

6510 LS may be installed only on clean, sound surfaces.

Concrete:

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

For Metal Surfaces:

Blast the surface to near white SSPC-SP10-70 or NACE No. 2 using a Venturi blast nozzle with 100 psi air. To produce the proper 4 mil anchor profile, the blast media should be properly graded, clean, sharp, and angular similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

MIXING:

Prior to application, all materials should be stored at approximately 70°F (21°C) for at least 48 hours. Using the bulking tools, pour the resin (Part A) into mixer, add 1 oz. catalyst (Part B), and mix the A and B components for approximately 1 minute. Add and 1 bag of aggregate, and mix until all fillers are completely wet out - approximately 2 minutes. For temperatures less than 70F, or greater than 90F call Technical Service for recommended adjustments to the catalyst quantity.

Larger (multiple) batches can be blended using a mortar mixer.

Application:

Substrate temperatures should be 65°-85°F during installation and for 96 hours after for complete cure. Do not apply 6510 Pourable Grout when temperature drops below 50°F (10°C) or above 95°F (32°C).

Apply a thin coat of Ultraprime (single component) to concrete substrate with a brush or roller. Cover forms with plastic or release agent to eliminate possible bond between 6510 Pourable Grout and forms. Pour material into the form slowly from one side and allow material to seek its own level. Allow material to harden, approximately 8 hours at 75°F (24°C), before removing forms. Wipe off any excess form release before top-coating. **NOTE:** When temperatures are below 65°F or above 85°F consult PFL Technical Dept. for alternate mixing instructions.

CURE TIME:

6510 Pourable Grout will harden in 8 hours at 75°F (24°C) for form removal. Full chemical resistance will be developed in 96 hours at 75°F (24°C).

CLEANUP:

6510 Pourable Grout has excellent adhesion, and is difficult to remove, when cured. Clean tools immediately with acetone or other solvent based cleaners.

SAFETY:

Avoid contact with skin. If eye contact occurs, flush with water and consult a physician immediately. Keep work areas well ventilated. Never seal a container of mixed resin and catalyst as the continuing exothermic reaction may cause container to explode. 6510 Pourable Grout is manufactured using a styrene monomer, which will give off an odor during application. Customer is responsible for protecting employees and food product from these odors. 6510 Pourable 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.

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