

PRODUCT INFORMATION SHEET
6510 POURABLE GROUT
CHEMICAL RESISTANT

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 Coves
- 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)
- 10 – 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)
- 95 – bags – Part C (chemically resistant aggregate)
- 1 set - measuring tools

PROPERTIES:

Compressive Strength	14,000 psi ASTM C-579 (resin)
Tensile Strength	11,600 psi ASTM D-638 (resin)
Flexural Strength	14,800 psi ASTM C-580 (resin)
Bond Strength	Greater than 350 psi 100% concrete failure ASTM C-321
Coefficient of Thermal Expansion	1.2 x 10 ⁻⁵ in./in./°F
Impact Strength	160 in./lbs.
Indentation	No indentation MIL-D-3134F
Water Absorption	0.018% ASTM C-413
Working Time at 75°F (24°C)	20-30 minutes ASTM C-308
Shelf Life	6 months
Solids by Content	By Weight 98% By Volume 98%

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. Pour ½ gallon 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.

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

Application:

Substrate temperatures should be 65°-85°F (18°-29°C) 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 60°F or above 80°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.

IMPORTANT NOTICE TO PURCHASER:

The following is made in lieu of all warranties, expressed or implied. Seller and manufacturer's only obligation shall be to replace such quantities of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential arising out of the use of or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risks and liability whatsoever in connection therewith. The foregoing may not be altered unless written authorization is received from PROTECTIVE FLOORINGS AND LININGS, A DIVISION OF A. W. CHESTERTON.

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