

Product Data Sheet

DESCRIPTION:

2300 LS is a 100% solids, monolithic, epoxy lining system, applied to a maximum film thickness of 1/16 inch (62mils). 2300 LS is designed for application in wastewater treatment facilities, chemical plants, and in the food and beverage industry. 2300 LS is U.S.D.A acceptable.

ADVANTAGES:

- Monolithic Surface
- Excellent Adhesion To A Variety Of Substrates
- Applicator Friendly – One Coat System
- Applied With Trowel Or Specialty Spray Equipment
- Quick Cure – Short Down-time

USES:

- Manholes & Sewer Lines
- Lift Stations
- Clarifiers
- Containment Dykes
- Wet Wells
- Waste Neutralization Pits
- Grit Chambers
- Aeration Basins
- Secondary Tank walls
- Curbs

SUPPLEMENTAL PRODUCTS:

- 3500 Grout
- 3700 Pourable Epoxy Grout

PACKAGING AND COVERAGE:

2300 LS - Liner – 1 Batch Kit – covers approximately 98 square feet at 1/16 inch (62.5mils), and consists of the following -

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

PROPERTIES:

Compressive Strength (ASTM C-579):	4,390 psi	Indentation (MIL-D-3134F):	No indentation
Tensile Strength (ASTM C-307)<resin>:	1,550 psi	Flammability (ASTM D-635):	Does not support combustions
Bond Strength(ASTM C-321):	Greater than 350 psi 100% concrete failure	Water Absorption (ASTM D-570):	0.038% 24 hours in water
Coefficient of Thermal:	3.78x10 ⁻⁵ in./in./°F	Working time at 75°F (ASTM c-308):	25-35 min
Expansion Impact Strength:	100 in./lbs.	Maximum Immersion Temperature:	140°F (60°C)
Shelf Life:	1 year	Solids by Content:	By Weight: 100% By Volume: 100%

SURFACE PREPARATION:

2300 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 used shall be properly graded, clean, sharp, and angular abrasive similar to Humble Abrasive Flint #7 (6-30) mesh, or Steel Grit (HG25).

Brick Manholes:

Surface shall be prepared as described above. Remove deteriorated grout mortar and repair. All leaking cracks must be repaired with a water stop material.

MIXING:

Prior to start, materials should be stored at 70°F (21°C) for at least 48 hours.

Liner - Empty entire contents of Part B and Part A into a clean mixing container, and mix thoroughly with a paddle mixer, jiffy mixer, or equivalent, for 2 minutes. Slowly add the entire contents of Part C and mix for an additional 1 - 2 minutes.

APPLICATION:

Substrate temperature should be 65°-85°F (18°-29°C) during application and for 96 hours thereafter for complete cure. Do not apply if surface temperature is below 60°F (16°C). A trowel with rounded corners (swimming pool trowel) is recommended. Spread mortar evenly over the surface firmly, and in a long wiping motion filling in low spots as you go. Use any high points of the substrate as a "guide" to push the 2300LS into substrate imperfections. The 2300LS can also be applied with a hopper gun for larger projects. As each 98 square foot unit is applied, back rolled with a damp, (not wet) roller to smooth out the surface.

Do not apply in direct sunlight or in rising temperatures as this may cause blistering and/or pinholes from expanding entrapped air in the concrete.

NOTE: If applying with sprayer, contact PF&L technical department for information on acceptable sprayer systems.

CURE TIME:

2300 LS will harden within 2-4 hours; however, 96 hours at 75°F (24°C) is recommended for full development of physical properties and will maximize chemical resistance. Lower temperatures will extend required cure times.

CLEANUP:

Cured or hardened 2300 LS 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 direct 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. 2300 LS Material Safety Data Sheets are available upon request.

NOTE:

Refer to 2300 LS Instruction for use.

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, either 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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