

Product Data Sheet

DESCRIPTION:

1550HT is a two component Novolac Epoxy – Polyamine coating system. 1550HT has excellent resistance to thermal shock, many acids, caustic, detergents and other corrosive materials. It is designed as a tank lining and coating for walls, ceilings, columns, and is USDA acceptable for food processing plants, in service temperatures up to 300°F. 1550HT has high film build properties and has excellent adhesion to concrete or steel.

ADVANTAGES:

- Easy To Clean - USDA Acceptable
- Low Odor
- High Build
- Low Moisture Permeability
- Quick Cure – Short Down Time

USES:

- Interior And Exterior Of Tanks
- Walls, Ceilings, Columns
- Curbs And Pump Pads
- Equipment Coating
- Structural Steel

SUPPLEMENTAL PRODUCTS:

- EPOFIL - Masonry Filler
- All PF&L Epoxy Flooring Systems

PACKAGING AND COVERAGE:

1550 HT - 1 gallon kit - covers approximately 76 square feet at 21 mils, and consists of the following

- 1 container - Part A - (pigmented resin)
- 1 container - Part B - (hardener)

18-24 mils DFT, applied in three coats, is recommended for most service conditions.

PROPERTIES

Compressive Strength (ASTM C-579)<resin>:	10,600 psi	Abrasion Resistance (ASTM D-1044):	84 Milligrams CS-17 Wheel at 1,000grams
Tensile Strength (ASTM C-307) <resin>:	2,450 psi	Working Time at 75°F (24°C):	25 minutes at 75°F. 150g
Bond Strength (On Steel):	3500 psi	Shelf Life:	1 year
Impact Strength:	100 in./lbs.	Color:	White, Gray
Indentation (MIL-D-3134F):	No Indentation	Solids by Content:	By Weight: 100% By Volume: 100%

SURFACE PREPARATION:

1550 HT may be installed only on clean, sound substrates.

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).

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. Prior to using the 1550HT, two coats of Epofil filler sealer is recommended to minimize the number of voids in the concrete substrate.

MIXING:

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

Empty the Part B into the Part A container. Using a jiffy mixer or equivalent, mix for two minutes or until the color is uniform and the mixture is homogenous.

**1550 HT may be thinned up to 5% with MEK for better spraying or rolling at certain temperatures.*

APPLICATION:

Substrate temperature should be 65^o-85^oF (18^o-29^oC) during application, and for seven days thereafter, for complete cure. Do not apply if surface temperature is below 60^oF (16^oC).

1550 HT coating can be applied by spray, roller or brush.

Spray: Use a Graco King 45 to 1 Hydrospray pump, Model 208-311. The pump assembly consists of an air regulator, high pressure manifold, airless oiler and dump valve. Also needed is a high pressure 3/4 inch I. D. nylon hose not to exceed 25 feet and a special "stipple" flow gun and #208-663 pistol grip gun, a reverse-a-clean body and assorted tip sizes. All hoses shall be rated at 6000 psi. Inlet pressure to the pump shall be 100 psi. No screens, filters, or surge tanks shall be used.

Brush: A high quality natural bristle brush set in rubber should be used.

Roller: 3/8" nap roller with phenolic core.

Minimum Recoat times are as follows:

12 hours at 60°F (10°C)

4 hours at 75°F (24°C)

2 hours at 90°F (32°C).

CURE TIME:

1550HT will harden in 12-18 hours, and cure for spill exposure within 72 hours at 75^oF (24^oC). For chemical immersion applications, seven days cure at 75^oF (24^oC) is recommended.

CLEANUP:

Cured or hardened 1550 HT 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 reaction may cause container to explode. 1550 HT 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, 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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