

PRODUCT DATA SHEET

ARCOR® EE-101 HT

REVISED 6/2013

GENERIC TYPE: AMINE CURED 100% SOLIDS EPOXY 3.6 NOVOLAC PRIMER, TOPCOAT

DESCRIPTION AND RECOMMENDED USES: ARCOR® EE-101 HT is a solvent free, Ultra 3.6 functionality epoxy Novolac coating. It's designed for use in the most aggressive chemical and high temperature environments typically thought beyond the abilities of epoxies. ARCOR® EE-101 HT can be used on ferrous and non-ferrous metals and concrete. Excellent for Nitric, Hydrochloric, Glacial Acetic Acid and Methanol. As the lowest viscosity epoxy 3.6 functionality Novolac available ARCOR® EE-101 HT is suitable as a primer as well as a topcoat. The absence of fillers and pigments make it the highest performing Novolac coating commercially available.

FOR INDUSTRIAL USE ONLY

SPECIFICATION DATA

TEMPERATURE: Immersion service
Max. 350F (177°C); Spike to 450°F (3 Hrs)
Recommended force cure at 250°F @ 2 hrs.

CHEMICAL RESISTANCE:

Water: Excellent
Alkalies: Excellent
Inorganic Acids: Excellent
Organic Acids: Excellent
Organic Solvents: Excellent

ABRASION: Good

FILM THICKNESS: 8-10 mils (.26 mm)/coat Exterior:
2 coats, Immersion: 2-3 coats

Flexibility: Good

APPLICATIONS: Aggressive Chemical Tank Lings
and Secondary Containment Areas.
Excellent when Force Cure is not available.

SOLIDS BY VOLUME: 100%

VISCOSITY: 9,000-15,000 cps

POT LIFE: 15 MIN @ 72°F

MIX RATIO: 3:1 by Volume (Base:Activator)
100gm: 27 gm by Weight

COLOR: Clear Amber (not pigmented)

SHELF LIFE: 5 Years at 55-95°F (13-35°C)

COVERAGE: 160ft²(15M²)/gal/coat(theoretical)

WEIGHT PER GALLON: 9.5lbs (4.30 KG)

ORDER INFORMATION: To place orders
and/or obtain pricing information contact:

ARCOR Epoxy Inc.
PO Box 273
South Dennis, MA 02660
TEL: 800-878-9593; FAX: 888-878-9593

Manufacturer makes no warranty either expressed or implied including warranties of merchantability or fitness for a particular purpose for this product. Under no circumstances will the manufacturer be liable for incidental, consequential or other damages, breach of warranty, strict liability, or any other theory arising out of use of this product.

APPLICATION SHEET

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SEE MATERIAL SAFETY DATA SHEET BEFORE HANDLING THIS PRODUCT

SURFACE PREPARATION:

Steel surfaces are to be abrasive blasted with chloride free abrasive. Exterior applications to SSPC SP-6 Commercial gray metal finish. Immersion applications to SSPC SP-5 White metal. Grind flat all burrs, weld seams, radius sharp edges. Fresh blasted surfaces to be primed with ARCOR® EE-101.

Concrete surfaces should be degreased if oil and grease contamination is present. Degreased surface shall be high pressure washed, acid etched and high pressure washed again so surface is clean and free of all grease, oils and surface laitance. Existing coatings should be abrasive blasted to clean concrete.

MIXING:

Thoroughly mix Activator into Base with mixing stick or drill with low speed mixing blade. Mix by Volume 3 parts Base to 1 part Activator. Or by weight 100 grams base to 27 grams activator.

THINNING: Never thin.

APPLICATION:

By brush use medium to stiff bristle of sufficient quality that bristles do not pull out and stick in coating. Trim or tape to <1" nap. Roller use good quality 1/8" nap, 1/4" on concrete.

Plural Spray use .021-.027 tip, 3,000-3,500 PSI, Heat to 120°F Base, 100°F Activator.

Airless Spray: Not recommended

Conventional Spray: Not Recommended

All spray equipment should employ traps to prevent water and oil from contaminating coating and screens to prevent particulate contamination.

APPLICATION TEMPERATURE:

Material: Keep between 55 to 95°F (13 to 35°C). Substrate : Keep between 45 to 105°F (7 to 40°C). The difference in temperature of the substrate and the coating should never exceed 10°F (5°C).

OVERCOAT/CURE TIME:

Brush or Roller recoat between 2 and 8 hours at 77°F (25°C).

Spraying recoat between 1 and 4 hours. Full cure before immersion 36 Hours at 77°F. Force Cure: 8 hours at 120°F (49°C); 2 hours at 250°F (121°C)

CLEAN UP: M.E.K., Acetone or similar

WARNING: Base contains epoxy resin. Activator contains alkaline amines, a strong sensitizer. May cause skin irritation, sensitization or other allergic responses. Use with good ventilation, particularly if heated or sprayed. Prevent all contact with skin or eyes. Wear protective clothing, goggles, gloves or barrier creams. Keep containers closed when not in use. Wash thoroughly after handling. In case of skin contact immediately wash with soap and water. In case of eye contact, flush with water for 15 minutes. If irritation persists seek medical attention.