

PRODUCT DATA SHEET

ARCOR™ EE-10.5

DATE: 5/2013

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

DESCRIPTION AND RECOMMENDED USES: ARCOR™ EE-10.5 is a solvent free, high functionality epoxy Novolac coating suitable for immersion and non-immersion service, particularly in aggressive acid environments. ARCOR™ EE-10.5 produces a tough, chemical resistant coating on ferrous and non-ferrous metals and concrete. As the lowest viscosity epoxy Novolac available ARCOR™ EE-10.5 is suitable as a primer as well as a topcoat. Excellent for 98% Sulfuric Acid immersion.

FOR INDUSTRIAL USE ONLY

SPECIFICATION DATA

TEMPERATURE: Immersion service Max. 250°F (121°C); Spike to 300°F (149°C) With force cure at 200°F, 6 Hrs.

CHEMICAL RESISTANCE:

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

ABRASION: Very Good

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

Flexibility: Very Good

Applications: 98% Sulfuric, Aggressive Chemical Tank Linings and Secondary Containment Areas, Industrial Floorings. Excellent when Force Cure is not available.

SOLIDS BY VOLUME: 100%

VISCOSITY: 9,000-15,000 cps

POT LIFE: 25 MIN @ 72°F

MIX RATIO: 2:1 by Volume (Base:Activator)
 100 gm: 50 gm by Weight

COLOR: Clear Amber (not pigmented)

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

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

WEIGHT PER GALLON: 9.3 lbs (4.35 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-10.

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 2 parts Base to 1 part Activator. Or by weight 100 grams base to 50 grams activator. Mix thoroughly to produce an even colored, streak-free material.

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 .017-.019 tip, 2,000-2,500 PSI, Heat to 120°F Base, 100°F Activator.

Airless Spray use .017-.021 tip, 2,000-2,500 PSI (Caution: Short Pot-Life)

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 6 and 14 hours at 77°F (25°C).

Spraying recoat between 3 and 14 hours. Full cure before immersion 7 Days at 77°F. Force Cure: 12 hours at 150°F (66°C); 6 hours at 200°F (93°C).

CLEAN UP: M.E.K. 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.