



ARCOR™

EPOXY TECHNOLOGIES™

PRODUCT DATA SHEET

ARCOR™ S-30

REVISED 11/01

GENERIC TYPE: AMINE CURED 100% SOLIDS EPOXY TOPCOAT

DESCRIPTION AND RECOMMENDED USES: ARCOR™ S-30 is a solvent free, high functionality epoxy Novolac designed particularly as a protective coating for metals in immersion service. ARCOR™ S-30 produces a tough, chemical resistant, low friction coating that is ideally suited for aggressive water service (salt, brackish). The ARCOR™ S-30 multi functional chemistry produces a fine multipurpose coating suited for moderate acid and caustic service, and is excellent at elevated temperatures. Superior performance in petrochemical environments, crude oil, diesel fuel, gasoline. ARCOR™ S-30 can be applied up to 60 mils without slump.

FOR INDUSTRIAL USE ONLY

SPECIFICATION DATA

TEMPERATURE: Immersion service

Max. 250°F (121°C); Spike to 300°F (3 Hrs)

CHEMICAL RESISTANCE:

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

ABRASION: Very Good

FILM THICKNESS: 20-60 mils/coat,
(.51-1.54 mm) Immersion: 1 or 2 coats

FLEXIBILITY: Fair
Very Good with Fiberglass Mat; 1.5 oz/ft² (.5 KG/M²)

APPLICATIONS: Condensers, Heat Exchangers,
Circ. Pipe, Water Screens, Pumps, Impellers, Filters,
Valves, Hydro Wheels, Tank Linings, Ion Exchange
Filters. Diesel Storage. Secondary Containment.
Low coefficient of Friction improves Flow.

SOLIDS BY VOLUME: 100%

VISCOSITY: 15,000-22,000 cps

POT LIFE: 35 MIN/Gal @ 72°F

MIX RATIO: 2:1 by Volume (Base:Activator) 100 gm:
50.8 gm by weight

COLOR: Blue (special order colors available)

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

COVERAGE: 20-80 ft² (1.9-7.5 M²)/gal / coat

WEIGHT PER GALLON: 12.4 lbs (5.6 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.



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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-10 Near White 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-31 or 31.1.

Concrete surfaces : Not Recommended for hand or roller application. Apply by heated plural or airless spray only. 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 50.8 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.

Plural Spray use .019-.021 tip, 3,000-3,500 PSI, Heat to 130°F Base, 110°F Activator.

Airless Spray use .019-.021 tip, 3,000-3,500 PSI(45:1). Recommended only with in-line heater at 120° to 135°F.(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:

By Brush or Roller recoat between 6 and 8 hours at 72°F (25°C).

When spraying recoat between 5 and 8 hours. Full cure before immersion 3 Days at 77°F. Force Cure: 12 hours at 150°F (66°C); 6 hours at 250°F (121°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.