



ARCOR®

EPOXY TECHNOLOGIES™

PRODUCT DATA SHEET

ARCOR™ S-16

REVISED 09/18/01

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

DESCRIPTION AND RECOMMENDED USES:

ARCOR™ S-16 is a solvent free epoxy coating designed as a protective coating for metals in immersion service. ARCOR™ S-16 produces a tough, chemical resistant, flexible coating that is ideally suited for aggressive water service (salt, brackish). Enhanced by multi functional chemistry the ARCOR™ S-16 is a fine multipurpose coating suited for moderate acid and caustic service, and is excellent in water environments. A fine general use epoxy. S-16 is; **NSF** Certified for Potable Water; **USDA** for Incidental Food Contact in Meat & Poultry Production; **FDA** Guideline CFR 21 Section 175.300 listed for Repeated Food Contact use.

FOR INDUSTRIAL USE ONLY

SPECIFICATION DATA

TEMPERATURE: Immersion service
Max. 130°F (55°C); Spike to 160°F (71°C) (3 Hrs)

CHEMICAL RESISTANCE:

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

ABRASION: Good

FLEXIBILITY: Good

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

FILM THICKNESS: 10-20 mils/coat,
(.25-.50 mm) Immersion: 2 or 3 coats

APPLICATIONS: Condensers, Heat Exchangers,
Circ. Pipe, Water Screens, Pumps, Impellers, Filters,
Valves, Hydro Wheels, Tank Linings, Ion Exchange
Filters Excellent Flexibility.

SOLIDS BY VOLUME: 100%

VISCOSITY: 130,000 - 260,000 cps

POT LIFE: 30 MIN/Gal @ 72°F

MIX RATIO: 1.3:1 by Volume (Base:Activator)
100 gm :67.5 gm by weight

COLOR: Top:Blue; Intermediate:Fuschia;Primer:White

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

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

WEIGHT PER GALLON: 9.7 LBS (4.4 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: Always abrasive blast 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™ S-30 Prime or ARCOR™ S-16 only in NSF, USDA or FDA Applications.

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. Prime with ARCOR™ S-16 only in NSF, USDA or FDA Applications; or ARCOR™ EE-70, EE-79 or ARCOR™ EE-10.

MIXING:

Thoroughly mix Activator into Base with mixing stick or drill with low speed mixing blade. Mix by Volume 1.3 parts Base to 1 part Activator or by Weight 100 gm Base to 67.5 gm 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 .023-.032 tip, 3,000-3,500 PSI, Heat to 130°F Base, 110°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:

By Brush or Roller recoat between 6 and 8 hours at 72°F (22°C).

When spraying recoat between 5 and 8 hours. Full cure before immersion 3 Days at 72°F. Force Cure: 12 hours at 120°F (49°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.