ARCOR
EPOXY TECHNOLOGIES

ProductDataSheet

ARCOR™ Spraythane

REVISED 5/2014

GENERIC TYPE: AMINE CURED 100% SOLIDS EPOXY / URETHANE HYBRID TOPCOAT.

DESCRIPTION AND RECOMMENDED USES: ARCOR™ SPRAYTHANE is a high elongation, elastomeric, hybridized epoxy/urethane. It is designed as a high resilience, high tear resistant, high impact resistant coating that is ideal to combat cavitation and abrasion, and it is completely compatible with epoxy coatings. The urethane aspect delivers a tough, flexible resilience while the epoxy aspect provides improved water and chemical resistance and shelf stability. ARCOR™ SPRAYTHANE's epoxy reactivity eliminates the moisture sensitivity and toxicity associated with traditional urethanes. Provides a smooth finsh and will self-level in horizontal applications.

FOR INDUSTRIAL USE ONLY

SPECIFICATION DATA

TEMPERATURE: Immersion service
Max.150ºF (66ºC); Spike to 180ºF(82ºC) (3 hrs)
Dry: 325ºF(163ºC)

CHEMICAL RESISTANCE:

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

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

ABRASION: Excellent
Hardness Shore A: 80 A
Impact Resistance, Direct: 400 in-lbs

FLEXIBILITY: Excellent
Elongation 300%

APPLICATIONS: Cavitation Protection, Abrasion Protection, Concrete & Steel Flooring & Work Areas, Manways. Decking.

SOLIDS BY VOLUME: 100%

VISCOSITY: 60,000-90,000 cps

POT LIFE: 55 MIN/Gal @ 72ºF

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

COLOR: Gray, Blue, Lt. Gray, White, Black

SHELF LIFE: 5 Years at 55-95ºF (13-35ºC)

COVERAGE: 80 ft2(7.5 M2)/gal(theoretical)

WEIGHT PER GALLON: 10.8 lbs (4.89 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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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 steel surfaces can be self-primed or use ARCOR™ S-30 Prime for corrosive undercutting protection in salt water service.

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 and oils and surface laitance. Existing coatings should be abrasive blasted to clean concrete. Self-Prime or, if extensive pinholes prime with ARCOR™ EE-10 or EE-70

MIXING:
Thoroughly mix Activator into Base with mixing stick or drill with low speed mixing blade, thoroughly scrape sides and bottom. Mix by volume 2 part Base to 1 part activator. Or by weight 100 gm Base to 50 gm activator. Mix thoroughly to produce and 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.
Plural Spray use .029-.38 tip, 3,000-3,500 PSI, Heat to 130ºF Base, 110ºF Activator.
Airless Spray use : Consult ARCOR
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 95ºF(13 to 35ºC). Substrate : Keep between 45 to 105ºF(7 to 40ºC). The difference in temperature of the substrate and the coating should never exceed 10ºF (5ºC). Substrate shall be a minimum of 5ºF(3ºC) above dew point.

OVERCOAT / CURE TIME:
Recoat between 6 and 12 hours at 77ºF (25ºC).
Full cure before immersion 72 hours at 77ºF. Force Cure: 12 hours at 120ºF (49ºC).

CLEAN UP: Acetone or M.E.K. or similar; Use 98% Isopropyl Alcohol in solvent controlled environments.

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.

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