

## PRODUCT DATA SHEET

### 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 finish and will self-level in horizontal applications.

### FOR INDUSTRIAL USE ONLY

### SPECIFICATION DATA

**TEMPERATURE:** Immersion service  
Max. 150°F (66°C); Spike to 180°F (82°C) (3 hrs)  
Dry: 325°F (163°C)

**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 @ 72°F

**MIX RATIO:** 2:1 by Volume (Base:Activator)  
100 gm: 52 gm by Weight

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

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

**COVERAGE:** 80 ft<sup>2</sup>(7.5 M<sup>2</sup>)/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

## 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 52 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 130°F Base, 110°F 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 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). Substrate shall be a minimum of 5°F (3°C) above dew point.

**OVERCOAT / CURE TIME:**

Recoat between 6 and 12 hours at 77°F (25°C).

Full cure before immersion 72 hours at 77°F. Force Cure: 12 hours at 120°F (49°C).

**CLEAN UP: Acetone or M.E.K. or similar; Use 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.