

**Product
Bulletin**

AL30-SP

100% SOLIDS EPOXY/URETHANE TOPCOAT

GENERAL DESCRIPTION

AL30-SP is hybrid epoxy & urethane combination that provides high elongation and physical properties for abrasion resistance and to prevent cavitation. This unique system builds on the two polymers, with the epoxy providing water and chemical resistance and the urethane providing tough durability and flexible resilience.

SURFACE PREPARATION:

Steel surfaces should be abrasive blasted with chloride free abrasives. Grind flat all weld seams, burrs and radius sharp edges.

Concrete surfaces should be degreased if contaminants (oil & grease) are present. It is recommended that degreased surfaces be high pressure washed, acid etched and high pressure washed again so the surface are clean and free of all contaminants. Surfaces should be primed. Contact Alfa Customer Service for recommendations.

MIXING:

1. Before removing any material from the containers, thoroughly mix the material.
2. Mix by volume, 100 gram Base to 52 grams of Activator. Mix the Activator into the Base, with a mixing stick or low speed power mixing blade.
3. Thinning of the material is not required.

APPLICATION:

1. If using a brush, use medium to stiff bristle of good quality. Trim or tape to < 1" nap.
2. Roller, use good quality, 1/8" nap.
3. Plural Spray – use .023 - .028 tip, 3,000 to 3,500 psi.

Heat Base to 130°F, Activator to 110°F.

All spray equipment should contain traps to prevent water and oil from contaminating the coating, and screens to prevent particulate contamination.

Airless & Conventional spraying is not recommended.

Substrate temperature should be 45 to 105°F.

Material should be between 55 - 95°F. The difference in temperature should be 10°F or less.

SPECIFICATIONS
HANDLING CHARACTERISTICS

Catalyst Number: AL30-SP Part B
 Mix Ratio, Resin to Catalyst, by Weight:
100 grams Base : 52.0 grams Activator
 Mix Ratio, Resin to Catalyst, by Weight:
2 Base:1 Activator
 Workable Pot Life, Gallon @ 25°C: 50 Minutes
 Mixed Viscosity @ 25°C cps: 90,000 – 130,000
 Recommended Cure:
6 – 12 Hours @ 77°F (25°C)
 Full cure before immersion is 72 Hours
@ 77°F (25°C)
 or 12 Hours @ 120°F (48°C)
 Color: Grey

PHYSICAL CHARACTERISTICS

Impact Resistance, Direct, in-lbs: 400
 Hardness, Shore A: 80
 Elongation, %: 300
 Abrasion: Excellent

CHEMICAL RESISTANCE

Water: Excellent
 Alkalines: Good
 Inorganic Acids: Fair
 Organic Acids: Fair
 Organic Solvents: Poor

Film Thickness: 20 mils/coat, Immersion 1- 2 Coats

STORAGE AND HANDLING

SHELF LIFE: 3 Years at 55- 95°F (13 – 35°C)

COVERAGE: 25 – 80 Ft²/Gallon

WEIGHT PER GALLON: 10.8 lbs (4.9 kg)

CLEAN-UP: MEK OR SIMILIAR