

POLACAV™

Cavitation Resistant Underwater



Performance
Coatings & Sealants
Systems

DESCRIPTION

POLACAV is a premium quality single component on-site industrial protective coating for metal and plastics. It is solvent-based and may be applied in any temperature range. POLACAV is designed for permanent flexibility and toughness, to bridge and move with hairline cracks, and to resist impingement attack. POLACAV has excellent adhesion underwater in fluid flow environments and will protect against the destructive impact of cavitation. It is used successfully in the repair of turbines, propellers, pumps, chutes, flumes, grates and tanks.

OUTSTANDING FEATURES

- ✓ Sets quickly and begins to cure immediately after application
- ✓ User-friendly application produces consistency of quality results
- ✓ Provides long-term protection against cavitation and impact fatigue
- ✓ Is re-coatable without the need to shot-blast
- ✓ Biologically inert, will not leech out any toxic materials
- ✓ Is tolerant of less-than-perfect application conditions

APPLICATION

Surfaces to be coated must be dry and free of loose debris, dirt, oils, grease, or any other substance that could interfere with proper bond. POLACAV may be applied straight from its container after 2 minutes of low speed power stirring. Apply POLACAV using brush, roller, or Andek Fab Tool.

All repairs to the substrate must be completed prior to application of POLACAV. Worn steel surfaces may be rebuilt with machinable epoxy; concrete may be restored with Polafloor Epoxy Topping and Polajoint. Fiberglass reinforced polyester and other plastics may be repaired with Polafab and Polaprime Epoxy or Andek 950. Please contact Andek's Technical Department for advice regarding specific surface preparation.

Apply 2 coats of POLACAV in a smooth, even fashion to achieve a uniform coating thickness of 15 wet mils per coat. Allow the first coat adequate time to dry before application of the second coat. Equipment may be cleaned with xylene or toluene before POLACAV begins to dry.

LIMITATIONS

Do not apply to wet, damp, or frozen surfaces. Proper surface preparation and priming where required are very important to product performance. Shelf life is 2 years when stored indoors in factory sealed containers. This product is combustible. Keep away from heat, sparks and flame. Use only EP (explosion-proof) rated equipment.

SPECIFICATIONS	
Coating Type	Ethylene Elastomer
VOC	350 gms/liter
Pot Life	Single component
Shelf Life	24 months
Recommended Thickness	20 mils dry film thickness
Coverage	50 square feet per gallon
Packaging	5-gallon pails
Color	Orange primer/White topcoat

POLACAV™**Cavitation Resistant Underwater Coating****PRECAUTIONS**

This product contains solvent. Avoid contact with skin and eyes. In case of contact with skin, wash with soap and water for 15 minutes. In case of accidental contact with eyes, flush with water for 15 minutes and seek medical attention immediately. Do not ingest.

In case of ingestion, do NOT induce vomiting and contact a physician immediately. Avoid inhalation of fumes. If aerosol mist is inhaled, seek medical attention immediately. Wear safety goggles, rubber gloves, coveralls, and filter mask when applying this products.

Keep product out of reach of children and pets.

TECHNICAL DATA

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Moisture Vapor Transmission	0.01 perms	ASTM E-96
Tensile Strength	1,000 psi	ASTM D-412
Elongation	500%	ASTM D-412
Solids Content (by weight)	65%	ASTM D-1044
Shore 'A' Hardness	80°	ASTM D-2240
Weatherometer (5000 hours)	Pass	ASTM G-23
Density	Approx 9 lb/gallon	
Viscosity	Approx 15,000 cps	
Low Temperature Flexibility	9.0 - 9.5	
Flashpoint (closed cup)	180°F	FTMS 141A (M4293)

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Effective Date: 02/2009

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