

POLACAV™

Cavitation Resistant Underwater



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 hair-line 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 builds strength rapidly after application
- User-friendly application rheology 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
- Significant erosion resistance under turbid flow conditions
- Improves traction under wet conditions

- Resists cyclic fatigue from rapid thermal fluctuations

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 or roller.

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. Surface must remain at least 5°F above Dew Point during the application and curing process. Shelf life is 2 years when stored indoors in factory sealed containers. This product is combustible. Keep away

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SPECIFICATIONS	
Coating Type	Ethylene Elastomer
VOC	350 gms/liter
Pot Life	Not applicable (single component)
Shelf Life	2 years (unopened) from date of manufacture
Recommended Thickness	20 mils dry film thickness
Coverage	Approximately 50 square ft per gallon, depending upon substrate
Packaging	Available in 1 gallon and 5 gallon pails
Color	White or Andek standard colors

PRODUCT DATA

POLACAV™

Cavitation Resistant Underwater Coating



from heat, sparks and flame. Use only EP (explosion-proof) rated equipment.

Keep product out of reach of children and pets.

For additional information, contact our Technical Department

PRECAUTIONS

Read the container label warning and Material Safety Data Sheet (MSDS) for important health and safety information prior to the use of this product.

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	ASTM D-1475
Viscosity	Approx 15,000 cps	ASTM D-446
Low Temperature Flexibility	180° Bend (10°F)	ASTM C-711
Flashpoint (closed cup)	105°F	FTMS 141A (M4293)

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