

# Cold Coat™ Epoxy TECHNICAL DATA

## SOLVENT-FREE EPOXY COATING

**Cold Weather Application**  
**Solvent-Free**  
**Easy 2:1 Mixing Ratio**  
**Contains no carcinogens**

<p><b>STANDARD PRODUCT DESCRIPTION</b></p>	<p>Cold Coat™ is a 100% solids, epoxy coating system designed for general marine/boating, commercial applications. It is designed for cold weather applications.</p>
<p><b>USES</b></p>	<p>Boatbuilding/Repair Tanks, pits, sumps, marine barrier coat</p>
<p><b>FEATURES</b></p>	<p>Excellent chemical resistance Convenient 2 to 1 ratio by volume (base/cure) Superior adhesion to cold, damp surfaces Cures at low temperatures</p>
<p><b>PHYSICAL PROPERTIES</b></p>	<p>COLOR ..... Dark Green          COMPRESSIVE STRENGTH ..... ASTM D695 6,500 psi          TENSILE STRENGTH ..... ASTM D638 5,000 psi          ELONGATION AT BREAK ..... ASTM D638 7-8 %          COVERAGE ..... 125 - 150 square feet per gallon          CS-17 WHEEL, 1 kg LOAD ..... ASTM D4060 0.14 gm loss          WATER ABSORPTION ..... ASTM D570 &lt; 1%          (2 hour boil)          FLEXURAL STRENGTH ..... ASTM D790 7,200 psi          SHORE D HARDNESS ..... ASTM D2240 75-80          HEAT DISTORTION ..... ASTM D649 78-85° F          TEMPERATURE</p>

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<b>CURE SCHEDULE</b>	POT LIFE @ 50°F ..... approx. 60 minutes (6 oz.); approx. 30 minutes @ 75°F (6 oz) FULL CURE ..... 7 days
<b>SURFACE PREPARATION</b>	Surface to be topcoated must be clean and free of oils, grease and loose contamination.
<b>APPLICATION</b>	Mix Cold Coat epoxy base with the Cold Coat curing agent. Use a mechanical mixer if possible to ensure thorough mixing. The mixing ratio is 2/1 (base/curing agent) by volume. Cold Coat does not require a 'sweat-in' or induction time and the mixed components should be used immediately.  Potlife is approximately 60 minutes at 50°F (6 oz.), so mix only the amount of epoxy that can be easily applied within that time limit. Apply using a brush, roller, or squeegee.
<b>NOTES</b>	Can be thickened with standard epoxy thickening agent. Can be thinned with Xylene, MEK, Lacquer thinner, or Acetone for low viscosity.
<b>TEMPERATURE</b>	Temperature will exert a considerable influence on the rate of curing of chemically cured coatings such as Cold Coat Epoxy. In broad terms expect each 10°C, (18°F), rise or fall in temperature to half or double dry times and pot lives.
<b>TRANSPORT</b>	Epoxy base - Regulated by USDOT, IATA & IMO. Curing agent - USDOT, IATA & IMO "Regulated". Class 8, Packing group III, UN 2735, Corrosive. Curing agent quantities of under 4 liters is ORM-D exempt for ground shipment.

**SAFETY:** This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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