



Manufactured by:
Eclectic Products, Inc.
Pineville, LA 71361

Made in the USA

800.767.4667 - Technical Services

eclecticproducts.com

amazinggoop.com/epoxies.htm

TECHNICAL DATA SHEET

**Amazing GOOP® Epoxy
COAT-IT®**

PRODUCT DESCRIPTION

COAT-IT® is a 100% solids waterproof epoxy sealer, which exhibits extremely high toughness and abrasion resistance. The original application for this product was as a armor plating type high build coating for the bottom of fishing boats, kayaks, and canoes in the rock filled rivers along the west coast of the United States and Canada. **COAT-IT** may be applied to aluminum, fiberglass and wood boats. In the case of wooden boats, it serves as an excellent waterproof membrane sealing small leaks and splits with a single coat. The **COAT-IT** formulation contains ceramic beads for abrasion resistance, graphite to give this coating slip or lubricity when it comes in contact with rocks or gravel and Kevlar fiber (the same Kevlar® fiber used in bullet proof vests) for extreme toughness.

PRODUCT CHARACTERISTICS and BENEFITS

Abrasion resistance	Very high
Lubricity	Exhibits high lubricity in marine application and will slide over rocky or abrasive surfaces
Ease of application	Easy, with throwaway applicators
Waterproof	Yes, unique epoxy sealer

PHYSICAL PROPERTIES

Heat deflection temperature	116°F (ASTM D648-264 psi)
Bond strength	2,020 psi (mild steel to mild steel)
Flexural strength	8,460 psi
Flexural modulus	319,000 psi
Tensile strength	6,180 psi
Tensile modulus	457,000 psi
Elongation	1.35%
Barcol hardness (GYZI-935)	79

CHEMICAL RESISTANCE (*After 30 days immersion in chemicals at 77 °F / 25 °C)

	<u>Weight Change, %</u>
Sulfuric Acid, 3%	<1.0%
Sodium Chloride, 10%	<0.1%
Distilled Water	<0.1%
Nitric Acid, 10%	<0.1%
Hydrochloric Acid, 10%	<0.1%
Acetic Acid, 5%	<0.1%
Hydrogen Peroxide, 3%	<0.1%

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WORKING PROPERTIES

Packaging	2 pound or 8 pound units
Flash point	200 °F (93 °C)
Shelf life	1 year
Color	Black
Mixing ratio	7:1 by weight
Pot life	35 minutes
Cure time	10-12 hours @ 70 °F (21 °C)

DIRECTIONS FOR USE and APPLICATION NOTES

Always test a small area before full use.

- Step 1** Clean, freshly sanded surfaces are essential to good bonding. Remove all contaminants such as oil, grease and paint. Sand until you have a clean surface. Steel and/or aluminum boats should be sanded or cleaned with Scotch Brite, and treated with a marine phosphoric acid wash.
- Step 2** Stir side A of **COAT-IT** resin until a uniform consistency occurs. Pour side B into the oversized mixing bucket that contains side A.
- Step 3** **NOTE:** Sufficient stirring and mixing is the most important step for satisfactory results with **COAT-IT**. While mixing, scrape sides and bottom often and use a fold-into-center motion while stirring for 2-3 minutes.
- Step 4** Once thoroughly mixed, pour mixed material onto working surface, spread with toothed trowel, short bristle throw-a-way brush or foam roller.
- Step 5** Clean tools with acetone or lacquer thinner. Use plenty of soap and water to remove epoxy from skin.

For technical assistance, call 800.767.4667.

- Please read all directions before using. Use in well-ventilated area only.
- Best when used between 60 and 85 °F (15 and 30 °C). Thick coats cure faster than thin coats.
- DO NOT change ratio or add any solvents.
- Cure time decreases with higher temperatures and increases with lower temperatures.

HAZARDS

This product contains epoxy resin and amine hardener. Before working with this product, read and become familiar with information concerning hazards, proper use and handling. To request an MSDS, please send an Email to msds@eclecticproducts.com or call 800.333.9826.

LIMITED WARRANTY

The product is warranted against any defect in materials or workmanship under normal use and service for a period of 180 days after the date of purchase. The product is also warranted under any implied warranties provided under applicable state law, including, without limitation, the implied warranty of merchantability and the implied warranty of fitness for a particular purpose, for a period of 180 days after the date of purchase. This warranty covers only the original buyer of the product. For warranty service, the buyer should contact the store where the product was purchased, or write Eclectic Products, Inc. P.O. Box 4450, Pineville, LA 71360 or call 800.767.4667. This warranty gives you specific legal rights, and you also have other rights, which vary from state to state.