



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® SuperMend®  
 Epoxy Paste**

## PRODUCT DESCRIPTION

**SuperMend®** is a two-part, white, rapid adhesive putty with a 15 minute work time, bonds permanently to metal, wood, ceramic, most plastics, fiberglass, concrete, Styrofoam™, and tile. This super-strong epoxy fills holes, cracks, gaps and dents — to any size or depth, without shrinking or popping out. **SuperMend** is impervious to water, gasoline, diesel fuel, motor oils, transmission and hydraulic fluids, anti-freeze and most chemicals. Once cured, **SuperMend** can be sanded, ground, drilled, tapped, sawed, will accept self tapping screws and can be painted with most paints.

## PRODUCT CHARACTERISTICS and BENEFITS

<b>100% solids</b>	Will not shrink and maintains strength after full cure
<b>Chemical resistant</b>	Can be used on or around objects exposed to gasoline, diesel fuel, motor oils, transmission and hydraulic fluids, antifreeze and most chemicals
<b>Heat resistant</b>	Apply to objects reaching temperatures as high as 150 °F (66 °C) intermittently
<b>Waterproof</b>	May be applied under water and remains waterproof after full cure

## PHYSICAL PROPERTIES

<b>Non-volatile content</b>	100%
<b>Compressive strength</b>	36,000 psi
<b>Compressive ultimate strain</b>	20%
<b>Tensile strength</b>	7,450 psi
<b>Shear strength</b>	2,700 psi
<b>Elongation</b>	3%
<b>Barcol hardness</b>	65
<b>Modulus of elasticity</b>	2.0 x 10 <sup>5</sup> psi

## CHEMICAL RESISTANCE (\*After 30 days immersion in chemicals at 70 °F / 21 °C)

	<b>Weight Change, %</b>	<b>Flexural* strength psi, (kg/cm)</b>	<b>Flexural* strength retention</b>
Sulfuric Acid, 3%	+0.96	60,000 (4,219)	83%
Sodium chloride, 10%	+0.54	70,750 (4,975)	98%
Distilled Water	+0.75	67,700 (4,761)	94%
Nitric Acid, 10%	+1.11	53,350 (3,752)	74%
Hydrochloric Acid, 10%	+0.81	49,450 (3,477)	68%
Acetic Acid, 5%	+2.23	57,000 (4,008)	79%
Hydrogen Peroxide, 3%	+0.90	66,400 (4,669)	92%
Petrohol 99 (MIL-F-5566)	0.00	74,900 (5,267)	100%
Hydrocarbon Test fluid (MIL-H-3136)	+0.02	74,400 (5,232)	100%
Ethylene Glycol (MIL-E-5559)	0.00	73,700 (5,183)	100%

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## WORKING PROPERTIES

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Mixing ratio	1 to 1 by volume
Pot life (working time)	15 minutes @ 70 °F (21 °C)
Natural color	Off-White
Cure time	4 hours @ 70 °F (21 °C)

## DIRECTIONS FOR USE and APPLICATION NOTES

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Always test a small area before full use.

- Step 1** Surface should be clean, dry and free of dirt. Always prime porous surfaces (wood, concrete) with a thin squeegee coat of the same epoxy before the initial thick coat is applied.
- Step 2** Mix equal amounts by volume, side A to side B, in clean, round containers, preferably new paper cups or buckets. See product package instructions for accurate mixing times.
- Step 3** **NOTE:** Sufficient stirring and mixing is the most important step for satisfactory results with **SuperMend**. While mixing, scrape sides and bottom often and use a fold-into-center motion while stirring.
- Step 4** Once thoroughly mixed, you have approximately 5 minutes working time at 70 °F (21 °C) to complete project.
- Step 5** At 70 °F (21 °C), allow 20 minutes before sanding.
- Step 6** 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.
- May be tinted with opaque coloring additives or most universal colorants, but may slow cure time.

## HAZARDS

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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](mailto:msds@eclecticproducts.com) or call 800.333.9826.

## LIMITED WARRANTY

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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.