

Technical Data Sheet



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CANADA



109.4 mL

301.6 mL

Not all styles/sizes available in all
areas.

AMAZING GOOP

MARINE ADHESIVE

PRODUCT DESCRIPTION

Weatherproof, waterproof, and UV resistant, AMAZING GOOP MARINE has been formulated to repair, seal and stick to a wide variety of materials found in and around water. For complete UV resistance, paint over AMAZING GOOP MARINE.

WHERE TO USE / APPLICATIONS

Use in and around marine and water for repairs to diving masks, rafts, leaks in waders, wet suits, air mattresses and much more!

FEATURES AND BENEFITS

FLEXIBLE – does not become brittle in cold weather

UV RESISTANT – can be used in outdoor and marine applications; resists yellowing or cracking

CHEMICAL RESISTANT – safe for applications exposed to dilute acids and dilute caustics

ABRASION RESISTANT – great for bonding objects subject to normal wear

WATERPROOF – can be submerged in fresh and salt water after complete cure

PAINTABLE – paint to match surrounding area or for UV resistance after complete cure

TECHNICAL INFORMATION

PROPERTIES	
UNCURED MATERIAL	
Color:	Clear
Solvent:	Perchloroethylene
Non-flammable:	Yes
Density:	11.0 +/- 0.1 lbs/gal
Solids:	30% by weight, 40% by volume
Viscosity:	100,000 cps medium
Tack time:	~ 4 minutes
Set time:	20 minutes*
Full cure time:	Thin film: 24 hours / Thick film: 48-72 hours
Storage:	Product may thicken when stored in colder temperatures but will not freeze. If product thickens from colder temperatures, warm to room temperature before use.
Application Temp:	Ideal application temperature range is 10 to 32 °C.
Freeze/thaw stability:	Stable, allow product to warm to room temperature before using.
Shelf life:	2 years (unopened)

*Depending on material, humidity and temperature.

CURED MATERIAL	
Chemical resistance:	Excellent to water, dilute acids & bases
UV resistance:	Yes
Hardness:	80 Shore A
Dielectric strength:	400V/mil (ASTM D-149); this is the maximum voltage that can be applied to a given material without causing it to break down
Tensile strength:	3500 lb/in ² (ASTM D-412)
Elongation:	900% (ASTM D-412)
Service temperature:	Cured adhesive can withstand temperatures from -40 to 82 °C intermittently.
Paint-over time:	24 hours

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MIDDLE EAST (ARABIC)



59.1 mL

301.6 mL

Not all styles/sizes available in all areas.

AMAZING GOOP

MARINE ADHESIVE

ADHESION TEST – 180° Peel Strength Test - ASTM D 903

Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
35 pli	35 pli	35 pli	35 pli	35 pli

Avg. Max Load Measured in pli (pounds per linear inch)

CHEMICALS THAT HAVE LITTLE OR NO EFFECT ON AMAZING GOOP

Acetic acid (5% and 10%)
Ammonium hydroxide (3.4%)
Ammonium nitrate (50%)
Antifreeze
Beer (3.2% alcohol by volume)
Boric acid (3.1%)
Distilled water
Hydraulic oil
Lactic acid (3.8%)
Milk (fresh, tested at 40 °F)
Motor oil (30w)
Nitric acid (10% and 20%)
Oxalic acid (3.1%)
Phosphoric acid (30% and 60% as P₂O₅)
Potassium hydroxide (3.4%)
Sodium carbonates (2.7%)
Sodium chloride (10%)
Sulfuric acid (3% and 10%)
Wine (20% alcohol by volume)

AMAZING GOOP exhibits excellent resistance to water, dilute acids and dilute bases. Thin films of GOOP were immersed in various chemicals for two weeks and exhibited weight gains of less than 2% and tensile strength loss of less than 10%. These chemicals are listed on the left. All percentages are given by weight unless otherwise noted.

SOLVENTS THAT DISSOLVE AMAZING GOOP

Chevron solvent 1100
Chlorothane NU
Cyclohexane
Gasoline
Methylene chloride
Perchloroethylene
Propyl acetate
Toluene
1, 1, 1-Trichloroethane

These are common solvents that dissolve AMAZING GOOP when hardened samples were immersed. The dissolution with these solvents was not instantaneous and therefore does not preclude usage in all cases. Applications were an occasional splash or brief exposure is expected may be acceptable. Test a small area before full use.

DIRECTIONS and APPLICATION NOTES

Read directions and test small area before use.

- Step 1 Surface should be clean, dry and free of dirt. For best results, lightly roughen surface before use.
- Step 2 TUBE: Puncture seal in neck of tube using pointer cap (If tube has a foil seal).
CARTRIDGE: Trim end of nozzle. Puncture inner seal.
Ideal application temperature range is 10 and 32 °C. However, fully cured adhesive can withstand temperatures from -40 to 82 °C intermittently.
- Step 3 Apply directly to surfaces to be bonded or repaired.
- Step 4 Allow repair to cure for 24 hours. Depending on the materials and temperature, maximum strength may not be reached for 48 to 72 hours.
- Step 5 TUBE: For future easy cap removal, apply a thin coat of petroleum jelly to the threads of the tube before replacing the cap. CARTRIDGE: For prolonged storage after opening, cover or plug the opening of the nozzle.
- Step 6 Clean uncured adhesive with acetone or citrus-based solvents. Cured material may be removed by cutting or scraping.

Product is paintable and immediately resistant to precipitation upon application.

- Please read all directions before using. Use in well-ventilated area.
- May damage finished surfaces. Avoid such contact until completely dry. Not recommended for

AMAZING GOOP

MARINE ADHESIVE

use on Styrofoam™, polystyrene, polyethylene, polypropylene or polypropylene plastics, aquariums or refrigeration units and any items that come into contact with food, drinking water or animals.

HEALTH and SAFETY

This product contains perchloroethylene.

Before working with this product, read and become familiar with information concerning hazards, proper use and handling. SDS's are available online at the following links:

Canada-

English: <http://eclecticproducts.com/downloads/sds-amazing-goop-english-canada.pdf>

French: <http://eclecticproducts.com/downloads/sds-amazing-goop-french-canada.pdf>

Middle East-

Arabic & English (Request SDS): sds@eclecticproducts.com

To request a hard copy of the SDS, please send an e-mail to sds@eclecticproducts.com.

LIMITED WARRANTY

The product is warranted against any defect in materials or workmanship under normal use 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 71361 or call 800.767.4667. This warranty gives you specific legal rights, and you also have other rights, which vary from state to state.