



# Technical Data Sheet



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# AMAZING GOOP® PLUMBING ADHESIVE

## PRODUCT DESCRIPTION

AMAZING GOOP® PLUMBING is a versatile and permanent contact adhesive and sealant that great for just about any do-it-yourself plumbing project. Dries clear. Waterproof. Paintable.

## WHERE TO USE / APPLICATIONS

Use to seal everything around the house from sink traps and porcelain fixtures to pool tiles and down spouts. Adheres to glass, plastic, metal, ABS, PVC, copper, vinyl, rubber, brick, wood and more.

## FEATURES AND BENEFITS

**FLEXIBLE** – does not become brittle in cold weather

**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 completely cured

## TECHNICAL INFORMATION

PROPERTIES	
UNCURED MATERIAL	
Color:	Clear
VOC:	475 grams/liter
Solvent:	Toluene, Petroleum Distillates (flammable)
Density:	7.4 lbs/gal
Solids:	45% by weight, 42% by volume
Viscosity:	100,000 cps
Tack time:	2 minutes
Set time:	45 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. Ideal application temperature range is 50 to 90 °F (10 to 32 °C).
Application Temp:	Stable, allow product to warm to room temperature before using
Freeze/thaw stability:	2 years (unopened)
Shelf life:	

\*Depending on material, humidity and temperature.

CURED MATERIAL	
Chemical resistance:	Excellent to water, dilute acids & bases
UV resistance:	None; paint-over for UV resistance
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:	3800 lb/in <sup>2</sup> (ASTM D-412)
Elongation:	900% (ASTM D-412)
Service temperature:	Cured adhesive can withstand temperatures from -40 to 180 °F (-40 to 82 °C) intermittently.
Paint-over time:	24 hours



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## 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 P<sub>2</sub>O<sub>5</sub>)
- 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
- Chloroethane NU
- Cyclohexane
- Gasoline
- Perchloroethylene
- Propyl acetate
- Toluene

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 Puncture seal in neck of tube using pointer cap (if tube has foil seal). Ideal application temperature range is 50 to 90 °F (10 to 32 °C). However, fully cured adhesive can withstand temperatures from -40 to 180 °F (-40 to 82 °C) intermittently.
- Step 3 Apply directly to each surface to be bonded or repaired. Allow to partially cure, approximately 2 minutes before mating surfaces. Hardens by solvent evaporation and forms an immediate bond that is difficult to reposition after both adhesive-coated surfaces are placed in contact with each other and sufficient pressure is exerted to establish full contact.
- 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 For future easy cap removal, apply a thin coat of petroleum jelly to the threads of the tube before replacing the cap.
- Step 6 Clean uncured adhesive with acetone or citrus-based solvents. Cured material may be removed by cutting or scraping.

- Please read all directions before using. Use in well-ventilated area.
- May damage finished surfaces. Avoid such contact until completely dry. Not recommended for use on polystyrene, polyethylene, polypropylene, Styrofoam™ or paper products, and any items that come into contact with food, drinking water or animals.
- DO NOT dry-clean GOOP because dry cleaning solvent breaks down the cured adhesive.



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**HEALTH and SAFETY**

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This product contains toluene and petroleum distillate. Before working with this product, read and become familiar with information concerning hazards, proper use and handling. SDS is available on line at: [eclecticproducts.com/downloads/sds-amazing-goop-english.pdf](http://eclecticproducts.com/downloads/sds-amazing-goop-english.pdf); [eclecticproducts.com/downloads/sds-amazing-goop-spanish.pdf](http://eclecticproducts.com/downloads/sds-amazing-goop-spanish.pdf); to request a hard copy of the SDS, please send an e-mail to [msds@eclecticproducts.com](mailto:msds@eclecticproducts.com) or call 800.333.9826.

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**LIMITED WARRANTY**

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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.