

Technical Data Sheet



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ISO 9001:2008
Compliant
Quality Management
Systems

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2.0 fl oz carded tube
1.0 fl oz carded tube

SEAL-ALL® CONTACT ADHESIVE / SEALANT

PRODUCT DESCRIPTION

SEAL-ALL® is the all-purpose adhesive used by hobbyists and mechanics alike to seal, bond, insulate, waterproof and stick to a wide variety of materials. Use it on practically anything: wood, steel, aluminum and copper; most plastics and rubber; porcelain, glass and china; vinyl, fiberglass, canvas and leather; cardboard, paper and much more! Fast-drying and clear, SEAL-ALL® can withstand changes in climate, insulating and toughening with age. Known as “the repair kit in a tube,” it does not require mixing or heating, does not become brittle in cold weather and resists water, gasoline, oil and most solvents.

WHERE TO USE / APPLICATIONS

- Repair distributor caps, interior panels, radiators, gaskets and more!
- Maintain golf club grips, fletching arrows, fishing rod tips and guides, tents, canoes and more!
- Repair china, porcelain, fiberglass, figurines, linoleum, furniture, knobs and drawers, screens, gutters and much more.

FEATURES AND BENEFITS

WEATHERPROOFING – can withstand changes in climate; resists water and other environmental elements

CHEMICAL RESISTANT – is not affected by oil, gasoline, alcohol and most solvents

ABRASION RESISTANT – maintains bond strength even on objects subject to wear

FAST DRY TIME – creates a strong, secure bond quickly

TECHNICAL INFORMATION

PROPERTIES	
UNCURED MATERIAL	
Color:	Clear
VOC:	410 grams/liter
Solvent:	Methyl Ethyl Ketone (MEK) and Acetone
Flammable:	Yes
Density:	7.86 lbs/gal
Solids:	35% by weight, 24.3% by volume
Viscosity:	3,000 cps
Tack time:	2 – 3 minutes
Full cure time:	Thin film: 2 - 3 hours / Thick film: 3 - 6 hours
Storage:	Store in dry area between 50 and 80 °F (10 and 27 °C)
Freeze/thaw stability:	Stable, allow product to warm to room temperature before using
Shelf life:	2 years (unopened)
CURED MATERIAL	
Chemical resistance:	Excellent to water, dilute bases
UV resistance:	None; paint-over for UV resistance
Hardness:	90 Shore A
Tensile strength:	7250 lb/in ² (ASTM D-412)
Elongation:	25% (ASTM D-412)
Service temperature:	-40 to 150 °F (-40 to 66 °C)
Paint-over time:	8 hours

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CHEMICALS THAT HAVE LITTLE OR NO EFFECT ON SEAL-ALL®

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)

SEAL-ALL® exhibits excellent resistance to water, dilute acids and dilute bases. Thin films of Seal-All 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 SEAL-ALL®

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

These are common solvents that dissolve SEAL-ALL® 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. Use pointer cap to break seal on tube. **DO NOT SQUEEZE TUBE TO FORCE OPENING.**

- Step 1 **FOR BONDING:** Apply thin coat of SEAL-ALL to both surfaces. Allow to set until tacky; press together firmly and allow to dry.
FOR GASOLINE LEAKS: Press small amount of SEAL-ALL directly to leak. Hold firmly for several minutes until it congeals. Allow first application to dry 5 to 10 minutes. Several coats of SEAL-ALL should be applied, allowing each coat to dry.
- Step 2 **FOR PLUMBING LEAKS:** On water lines, garden hoses, or any leak having pressure, it is advisable to tape over SEAL-ALL with duct or masking tape. Another coat of SEAL-ALL may then be applied over the tape.
- Step 3 **FOR OIL AND WATER LEAKS:** Apply SEAL-ALL to clean, dry surface. Allow to dry.
- Step 4 **WARNING:** Wet SEAL-ALL may damage finished surfaces. Avoid such contact until SEAL-ALL is completely dry.
- Step 5 To ensure easy cap removal, apply thin coat of petroleum jelly to threads of tube before replacing cap.
- Step 6 Replace cap each time after using. Keep tightly closed when not in use.
- Step 7 Store in a warm place - jells when cool.

For technical assistance, call 800.767.4667.

- Please read all directions before using. Use in well-ventilated area.
- May damage finished surfaces. Avoid such contact until completely cured. Not recommended for use on Styrofoam™, polystyrene, polyethylene, polypropylene or polypropylene plastics, or paper products; and any items that come into contact with food, drinking water or animals.
- Cures by solvent evaporation.

HEALTH and SAFETY

This product contains MEK (Methyl Ethyl Ketone) and Acetone. Before working with this product, read and become familiar with information concerning hazards, proper use and handling. MSDS is available on line at: eclecticproducts.com/_msds/sealall_english.pdf; to request a hard copy of the MSDS, please send an e-mail 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 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.