

Technical Data Sheet



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ISO 9001:2015
Compliant
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UNITED STATES/MEXICO



2.0 fl oz carded tube

1.0 fl oz carded tube

Not all styles/sizes/colors available in all areas.

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:	Ideal temperature range: 50 to 80 °F (10 and 27 °C). Product may thicken when stored in colder temperatures but will not freeze. If product thickens from colder temperatures, warm to room temperature before use.
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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CANADA



29.5 mL carded tube

59.1 mL carded tube

Not all styles/sizes/colors available in all areas.

AUSTRALIA/NZ



59.1 mL carded tube

Not all styles/sizes/colors available in all areas.

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

Acetone
Chevron solvent 1100
Chlorothane NU
Cyclohexane
Methyl Ethyl Ketone
Methylene chloride
Perchloroethylene
Propyl acetate
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 where an occasional splash or brief exposure is expected may be acceptable. Test a small area before full use.

DIRECTIONS and APPLICATION NOTES

Puncture seal in neck of tube using pointer cap; hold tube upright until ready to use. Read directions and test small area before use.

- Step 1 **USE AS A CONTACT ADHESIVE:** Spread coating on each surface to be joined together. Allow to cure 1-2 minutes before mating surfaces. Seal-All hardens by solvent evaporation and forms an immediate bond that is difficult to reposition after both adhesive coated surfaces are placed in contact and sufficient pressure is exerted to create full contact between both surfaces.
- Step 2 **USE AS A SEALANT:** Apply directly to clean, dry surface; hold firmly until product sets. Additional coats may be applied; allow each layer to dry thoroughly. On leaking objects under pressure, apply tape (non-silicone/porous) over hole. Apply Seal-All over tape.
- Step 3 **DRY TIME:** 2-3 min. (set); 2-6 hrs. (full cure).
- Step 4 **TEMPERATURE RANGE:** -40 to 150 °F (-40 to 66 °C).
- Step 5 **UV RESISTANCE:** Paint over for maximum resistance.
- Step 6 **CHEMICAL RESISTANCE:** Resistant to gasoline, alcohol, paint thinner and most solvents.
- Step 7 **WATER RESISTANCE:** Immediately upon application.

- May damage finished surfaces. Avoid such contact until completely cured. 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.

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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.

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

⚠WARNING: This product can expose you to chemicals including acetaldehyde which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

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 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. The manufacturer will not accept liability for more than product replacement. 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 LLC, P.O. Box 4450, Pineville LA 71361 or call 800.767.4667. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. This warranty gives you specific legal rights, and you also have other rights, which vary from province to province.