

# Technical Data Sheet



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## UNITED STATES/MEXICO



- 0.18 fl oz (Clear)
- 0.5 fl oz (Clear)
- 1.0 fl oz (Clear)
- 1.0 fl oz Precision Tip (Clear)
- 2.0 fl oz (Clear, Black & White)
- 3.7 fl oz (Clear)

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

# E6000 CRAFT ADHESIVE

Clear, Black and White



## PRODUCT DESCRIPTION

E6000 Craft is uniquely formulated to meet high-performance industrial requirements, thus making it an excellent craft adhesive. It is washer/dryer safe, paintable, and extremely flexible. E6000 has exceptional adhesion to wood, metal, glass, fiberglass, ceramics, masonry and concrete. It also adheres strongly to leather, rubber, vinyl and many plastics.

## WHERE TO USE / APPLICATIONS

Use on all your craft projects requiring a permanent bond. Available colors are: clear, black and white.

## FEATURES AND BENEFITS

- EASY TO USE** – easy squeeze tube
- FLEXIBLE** – does not become brittle in cold weather
- CHEMICAL RESISTANT** – safe for applications exposed to dilute acids and dilute caustics
- ABRASION RESISTANT** – great for bonding objects subject to normal wear
- WASHER/DRYER SAFE** – maintains bond even after washing and drying
- PAINTABLE** – paint to match surrounding area or to make UV resistant

## TECHNICAL INFORMATION

PROPERTIES	
UNCURED MATERIAL	
Color:	Clear, Black, and White
Solvent:	Perchloroethylene
Non-flammable:	Yes
Density:	1.32 +/- 0.01 g/mL
Solids:	30% by weight, 40% by volume
Viscosity:	2 fl oz (59.1 mL) tubes, Precision Tips and Jewelry & Bead: 50,000 cps. All other sizes: 100,000 cps.
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. If product thickens from colder temperatures, warm to room temperature before use.
Application Temp:	Ideal application temperature range is 50 to 90 °F (10 to 32 °C).
Freeze/thaw stability:	Stable, allow product to warm to room temperature before using
Shelf life:	2 years

\*Depending on material, humidity and temperature.

CURED MATERIAL	
Chemical resistance:	Excellent to water, dilute bases
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 <sup>2</sup> (ASTM D-412)
Elongation:	900% (ASTM D-412)
Service temperature:	Fully cured adhesive can withstand temperatures from from -40 to 180 °F (-40 to 82 °C) intermittently.

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### CANADA



5.3 mL (Clear)

29.5 mL Precision Tip (Clear)

59.1 mL (Clear, Black & White)

109.4 mL (Clear)

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

### MIDDLE EAST (ARABIC)



5.3 mL (Clear)

29.5 mL (Clear)

29.5 mL Jewelry & Bead (Clear)

59.1 mL (Clear, Black & White)

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

### MIDDLE EAST (HEBREW)



5.3 mL (Clear)

29.5 mL (Clear)

59.1 mL (Clear)

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

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

Aluminum	Birch (wood)	Glass	PVC	Steel
35 pli	40 pli	34 pli	38 pli	45 pli

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

### CHEMICALS THAT HAVE LITTLE OR NO EFFECT ON E6000

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 4.44 °C)  
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)

E6000 exhibits excellent resistance to dilute acids and dilute bases. Thin films of E6000 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 E6000

Chevron solvent 1100  
Chlorothane NU  
Cyclohexane  
Gasoline  
Perchloroethylene  
Propyl acetate  
Toluene

These are common solvents that dissolve E6000 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

Read directions and test small area before use.

1. Surface should be clean, dry and free of dirt. For best results, lightly roughen surface before use.
2. Puncture seal in neck of tube using pointer cap (if tube has a 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.
3. Apply directly to surfaces to be bonded or repaired.
4. Allow 24 hours for curing. Depending on materials and temperature, maximum strength may not be reached for 48 to 72 hours.
5. For future easy cap removal, apply a thin coat of petroleum jelly to the threads of the tube before replacing the cap.
6. Clean uncured adhesive with acetone or citrus-based solvents. Cured material may be removed by cutting or scraping.

Note: May damage finished surfaces. Avoid such contact until completely dry. Not recommended for use on polystyrene, polyethylene, polypropylene, Styrofoam™ on paper products. Not recommended for any items that come into contact with food, drinking water or animals.

RTM No. 011199437

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## E6000 CRAFT ADHESIVE

Clear, Black and White



### AUSTRALIA/NZ



7.2 G (Clear)

40.2 G (Clear)

80.4 G (Clear, Black & White)

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

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### HEALTH and SAFETY

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This product contains perchloroethylene. 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](mailto:sds@eclecticproducts.com).

**⚠WARNING:** This product can expose you to chemicals including perchloroethylene which is known to the State of California to cause cancer. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov).

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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 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.