



# Technical Data Sheet



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5.3 mL (Clear)  
29.5 mL (Clear, Black & White)  
59.1 mL (Clear)  
29.5 mL Precision Tip (Clear)

## 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
VOC:	2 grams/liter
Solvent:	Perchloroethylene
Non-flammable:	Yes
Density:	1.32 +/- 0.01 g/mL
Solids:	30% by weight, 40% by volume
Viscosity:	59.1 mL tubes: 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 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 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 -40 to 82 °C intermittently.



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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  
 Chloroethane 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 10 to 32 °C. However, fully cured adhesive can withstand temperatures from -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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### 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. SDS's are available online at the following links:

English SDS - <http://eclecticproducts.com/downloads/sds-E6000-craft-english-europe.pdf>

French SDS - <http://eclecticproducts.com/downloads/sds-E6000-craft-french-europe.pdf>

Spanish SDS - <http://eclecticproducts.com/downloads/sds-E6000-craft-spanish-europe.pdf>

German SDS - <http://eclecticproducts.com/downloads/sds-E6000-craft-german-europe.pdf>

To request a hard copy of the SDS, please send an e-mail to [sds@eclecticproducts.com](mailto:sds@eclecticproducts.com).

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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.