

Technical Data Sheet



Eclectic Products LLC
Manufacturing Facility
101 Dixie Mae Drive
Pineville, Louisiana
eclecticproducts.com
800.349.4667

ISO 9001:2015
Compliant
Quality Management
Systems

Administration Office
Eugene, Oregon
eclecticproducts.com
800.693.4667
Technical Service
800.767.4667



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:	Toluene, Petroleum Distillates (flammable)
Density:	7.4 lbs/gal
Solids:	.18, 0.5, 1.0 (not Prec Tip or Jew & Bead):45% by wt, 42% by vol. 2.0 fl oz Prec Tip, 1.0 Jew & Bead, 2.0 Clear/black: 49% by wt, 43% by vol. 2.0 fl oz white = 49% by wt, 46% by vol.
Viscosity:	2 fl oz (59.1 mL) tubes, Precision Tips and Jewelry & Bead: 50,000 cps. All other sizes: 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. 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 (unopened)
VOC:	.18, 0.5, 1.0 (not Prec Tip or Jew & Bead), 3.7 fl oz = 489 g/L 1.0 fl oz Prec Tip, 1.0 Jew & Bead, 2.0 Clear = 463 g/L 2.0 fl oz black = 463 g/L / 2.0 fl oz white = 451 g/L

*Depending on material, humidity and temperature.

CURED MATERIAL	
Chemical resistance:	Excellent to water, dilute bases
Hardness:	80 Shore A
Tensile Strength: (ASTM D-412)	.18, 0.5, 1.0 (not Prec Tip or Jew & Bead), 3.7 fl oz = 2,000 lbs/in ² 1.0 fl oz Prec Tip, 1.0 Jew & Bead, 2.0 Clr, blk & wht = 2,300 lbs/in ²
Elongation %: (ASTM D-412)	.18, 0.5, 1.0 (not Prec Tip or Jew & Bead), 3.7 fl oz = 1,100% 1.0 fl oz Prec Tip, 1.0 Jew & Bead, 2.0 Clr, blk & wht= 800%
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
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)
- 14.7 mL (Clear)
- 29.5 mL (Clear)
- 29.5 mL Jewelry & Bead (Clear)
- 29.5 mL Precision Tip (Clear)
- 59.1 mL (Clear, Black & White)
- 109.4 mL (Clear)

MIDDLE EAST (ARABIC)



- 29.5 mL Jewelry & Bead (Clear)
- 59.1 mL (Clear)
- 109.4 mL (Clear) Carded
- 109.4 mL bulk (Clear)

MIDDLE EAST (HEBREW)



- 29.5 mL (Clear)
- 59.1 mL (Clear)
- 109.4 mL (Clear) Carded
- 109.4 mL bulk (Clear)

ADHESION TESTING

SUBSTRATE	ADHESIVE DATA PLI & PSI	ASTM TEST #	ASTM TEST DESCRIPTION
FABRIC	30	1876	T-PEELS PLI
LEATHER	30		
VINYL	30		
CANVAS	45		
NEOPRENE	20		
RUBBER	10		
METAL	210	D1002/3163	LAP SHEAR - PSI
WOOD	200		
COPPER	150		
POLYMER CLAY	30		
LAMINATE	70		
PLASTICS	80		
FIBERGLASS	100	D1583	DOLLY PULL - PSI
PVC	100		
CERAMIC	380		
CONCRETE	280		
MASONRY	110		
ASPHALT	200		
GLASS	200		

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 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)

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AUSTRALIA/NZ



4.7 g each (Clear) Mini tube 4pk
26.2 g (clear) Precision Tip, Jewelry &
Bead, and carded tube
52.4 g (Clear, Black & White)

*All countries: Not all styles/sizes/colors
available in all areas.*

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SOLVENTS THAT DISSOLVE E6000

Chevron solvent 1100
Chlorothane NU
Cyclohexane
Gasoline
Perchloroethylene
Propyl acetate
Toluene

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 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.
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.

HEALTH and SAFETY

This product contains toluene. 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 toluene which is known to the State of California to cause birth defects or other reproductive harm. 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.