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**Made in the USA**

800.767.4667 - Technical Services

[www.eclecticproducts.com](http://www.eclecticproducts.com)

[www.ecoglue.com](http://www.ecoglue.com)

# TECHNICAL DATA SHEET

**Amazing EcoGlue® Power Glue**

## PRODUCT DESCRIPTION

**Amazing EcoGlue® Power Glue** has been formulated for immediate use. It is the environmentally safe glue that bonds like an industrial adhesive! Intended applications are those that require a wood adhesive, general purpose adhesive or water-resistant product. Amazing EcoGlue® has strong adhesion to porous and cellulosic surfaces like paper, wood and cloth. The emulsion characteristics of Amazing EcoGlue® provide a tough film that is water resistant when cured.

## PRODUCT CHARACTERISTICS & BENEFITS

<b>Water resistant</b>	100%, after completely cured
<b>Abrasion resistant</b>	Great for bonding object subject to wear
<b>Paintable</b>	Paint to match surrounding area or make UV resistant
<b>Sandable</b>	Once cured
<b>Washer/Dryer safe</b>	Safe for use on clothing and shoes. Do not dry clean.

## PROPERTIES OF UNCURED MATERIAL

<b>Color</b>	White
<b>VOC</b>	<1%
<b>Density</b>	9.0 lbs/gal
<b>Solids<sup>1</sup></b>	49% by weight
<b>Viscosity<sup>2</sup></b>	4,000 - 6,000 cps
<b>Tack time</b>	20 - 30 minutes
<b>Dry time</b>	Thin film: 30 minutes / clamp wood / thicker film 24 hours
<b>Cure time</b>	3 - 5 days for full water / heat resistance
<b>Storage</b>	Store in dry area between 50 and 80 °F (10 to 27 °C)
<b>Freeze/thaw stability</b>	Stable. Allow product to return to room temperature and stir
<b>Shelf life</b>	1 year (unopened)

## PROPERTIES OF CURED MATERIAL

<b>Dielectric strength</b>	400V/mil (ASTM D-149). This is the maximum voltage that can be applied to a given material without causing it to break down.
<b>Water resistance</b>	High; ANSI-HPVA [HP-1-1994] "type 2" and strain group D3 of DIN EN204
<b>Heat resistance</b>	ASTM D5751-95 and WATT 91
<b>Chemical resistance</b>	Excellent to water, dilute acids and dilute bases
<b>Service temperature range</b>	54 to 100°F (12 to 38 °C) [materials should be within this range when applying wet adhesive]
<b>Paint-over time</b>	24 hours
<b>UV resistance</b>	None. Paint over for more protection.

<sup>1</sup> Cenco Moisture Balance

<sup>2</sup> Brookfield Viscometer, Model RVE, @20 RPM

## TECHNICAL DATA SHEET

### **SOLVENTS THAT DISSOLVE Amazing EcoGlue® Power Glue**

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Once Amazing EcoGlue® Power Glue is fully cured, the product is insolvable. Use water for cleanup.

### **CHEMICALS THAT HAVE LITTLE OR NO EFFECT ON Amazing EcoGlue® Power Glue**

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After curing, Amazing EcoGlue® Power Glue exhibits excellent resistance to water, dilute acids and dilute bases.

### **DIRECTIONS FOR USE and APPLICATION NOTES**

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Always test a small area before full use.

- Step 1** Please read all directions before using.
- Step 2** Surface should be clean, dry and free from oil and grease.
- Step 3** When bonding two surfaces, spread Amazing EcoGlue™ on both surfaces.
- Step 4** Initial bond forms in 20 - 30 minutes. 3 - 6 hours for 80% strength. 24 hours for full strength. Water resistance reached within 3 - 5 days.
- Step 5** Clamping wood substrates is recommended when possible. Clamp for 20 - 60 minutes.
- Step 6** Application temperature is best between 60 to 100 °F (16 to 38 °C).
- Step 7** Heat resistant from 0 to 250 °F (-18 to 121 °C) intermittently.

For technical assistance, call (800) 767-4667.

- Some substrates require light sanding for optimum adhesion.
- If Amazing EcoGlue® Power Glue is used to adhere articles to fabric, DO NOT DRY CLEAN FABRIC.
- For applications exposed to sunlight, paint over.

### **HAZARDS**

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Product is not considered hazardous under normal conditions. To request an MSDS, please send an e-mail to [msds@eclecticproducts.com](mailto:msds@eclecticproducts.com) or call 800.333.9826.

### **MANUFACTURER DISCLAIMER**

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The product is warranted against any defect in materials or workmanship under normal use and service 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 day 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. PO Box 4450, Pineville LA 71360 or call 800.767.4667. This warranty gives you specific legal rights, and you also have other rights, which vary from state to state.