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# TECHNICAL DATA SHEET

**EcoGlue™ Green Solutions™ Extreme  
Premium Adhesive & Sealant**

## PRODUCT DESCRIPTION

**EcoGlue™ Extreme** is a high performance polyether moisture cure technology that is 100% solids, solvent free and less than 2% VOC. It's engineered for strong adhesion and instant grab on virtually any substrate, and will provide a long lasting weather tight seal even in the most unfavorable wet application conditions. **EcoGlue Extreme** is suitable for vertical or overhead applications and can be painted after 24 hours. It is safe to use indoors, or in confined spaces, as it contains no odor. Best application temperatures are above 30°F (-1°C).

## PRODUCT CHARACTERISTICS & BENEFITS

<b>Non-sag</b>	Won't sag, drip or run on vertical or horizontal applications (may require tooling).
<b>Waterproof</b>	Yes. Can be applied in wet climates; durable long lasting seal.
<b>Shrinkage</b>	None, 100% solids.
<b>Single component</b>	Easy to tool and gun; no mixing
<b>Solvent-Free</b>	No solvents. Safe to use indoors or in confined spaces. No odor. No Prop 65*. No outgassing.
<b>Skinning/Tack Time</b>	Instant grab, and typically skins over in 35 minutes.
<b>Bonding</b>	Variety of substrates without priming; damp masonry.
<b>Flexible</b>	Does not become brittle in cold weather.
<b>Paintable</b>	Paintable after 24 hours.
<b>Interior/Exterior</b>	Ideal for indoor/outdoor use. Excellent UV resistance.
<b>Formaldehyde FREE</b>	Yes. Contains no free phenol and/or urea formaldehyde resins.

*\*Proposition 65: This product contains no Prop 65 listed materials.*

## PROPERTIES OF UNCURED MATERIAL

<b>Technology</b>	Polyether Moisture Cure
<b>Color</b>	White
<b>VOC</b>	Less than 2%
<b>Solids</b>	100%
<b>Density</b>	1.39 (11.6/Gal)
<b>Viscosity</b>	1,000,000 + cPs Brookfield RVE, TF spindle, 4 RPM, 70°F (21°C)
<b>Odor</b>	None
<b>Application</b>	Apply above 30°F (-1°C)
<b>Tack time</b>	35 minutes (ASTM C-679)
<b>Full cure time</b>	Full cure in 3 to 7 days depending upon temperature, humidity and thickness.
<b>Shelf life</b>	1 year (unopened)
<b>Freeze/thaw stability</b>	Will not freeze; allow product to warm to room temperature before using.
<b>Storage</b>	Store in original unopened container and in a cool dry area. Protect container from heat and direct sunlight. Elevated temperatures will reduce shelf life.

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### PROPERTIES OF CURED MATERIAL

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<b>Sag</b>	Zeo Slump (ASTM C-697)
<b>Hardness</b>	45 +/- 5 Shore A (ASTM C-661)
<b>Shear strength</b>	350+ PSI (ASTM D-1002)
<b>Shrinkage</b>	No measurable shrinkage after 14 days
<b>Elongation</b>	300% (ASTM D-412)
<b>Withstands temps. of</b>	-40°F (-40°C) to 200°F (93°C)
<b>Low temperature flex</b>	-20°F (-29°C) pass 1/4" mandrel
<b>Paint-over time</b>	24 hours
<b>UV resistance</b>	Good

### DIRECTIONS FOR USE - Read completely before using

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Surfaces must be clean and free of dirt, oil or debris. Clean contaminated surfaces with alcohol, not petroleum based solvents. Use a quality caulking gun to ensure ease of application. Best when applied above 30°F (-1°C). Cut cartridge tip to desired size at a 45° angle, and puncture foil seal with nail. Begin gunning a thin layer on all surfaces to be bonded, spread evenly, wait 5 to 7 minutes, then assemble. Make sure bonded materials are tightly joined. Use mechanical fasteners as needed or dry tool the sealant to create a strong mechanical bond against the joint faces. Wet sealant can be removed using a solvent such as alcohol or soap and water. Cured EcoGlue Extreme can be removed by abrading or scraping the substrate.

### SPECIFIC APPLICATIONS

**Joint Design:** Install all joint applications per ASTM and SWRI recommendations and guidelines. Joints shall be designed with a depth-to-width ratio of 1:2 (joint depth ½ the width). Refer to *Joint Prep Table* for guidelines. It is recommended that the joint shall be no less than ¼" (6mm) wide by ¼" (6mm) deep. The maximum depth of sealant shall be ½" (13 mm). Control the depth of the sealant by using a backer rod that is 25% larger than the joint opening at standard temperature. Where the joint configuration will not permit a backer rod, it is recommended that an alternative bond breaker be used. Prevention of three-point adhesion is necessary through the use of a backer rod or bond breaker tape to ensure proper joint movement and a long lasting weatherproof seal.

**Metal:** Prepare all metal in a manner to ensure maximum adhesion. Remove all rust, scale and residue by wire brushing to a bright metal sheen. Remove films, coatings and oils with an appropriate solvent such as alcohol.

*It is recommended that coated substrates be tested for adhesion prior to starting the project.*

*Please contact Technical Services for specific application guidelines and recommendations.*

**Concrete:** Concrete and masonry substrates should be fully cured and dry prior to application of the sealant. Remove any contamination by mechanical abrasion, sand blasting or power washing.

**Wood:** Wood should be clean, sound and dry prior to sealant application. Treated wood should be allowed to weather for 6 months. Coatings and paint should be removed (or tested for compatibility) to ensure a proper bond.

## TECHNICAL DATA SHEET

### JOINT PREP TABLE

WIDTH (inches (mm))	DEPTH (inches (mm))
<b>1/4 - 1/2</b> (6 - 13)	<b>1/4</b> (6)
<b>1/2 - 3/4</b> (13 - 19)	<b>1/4 - 3/8</b> (6 - 10)
<b>3/4 - 1</b> (19 - 25)	<b>3/8 - 1/2</b> (10 - 13)
<b>1 - 2</b> (25 - 50)	<b>1/2</b> (13)

Applications require use of a quality caulking gun.  
Do not allow EcoGlue Extreme to come into contact with uncured silicone sealants.

**Substrates:** Concrete, Block, Brick, Stone, Masonry, Wood, Cement Fiber Board, Aluminum, Galvanized Metal, PVC, SBS mod bit, EPDM, Foam, Vinyl, Glass and more.

**Priming:** In most instances EcoGlue Extreme will not require a primer. However, certain applications or substrates may dictate a primer is used to ensure a long lasting bond and weatherproof seal. Where prolonged immersion is anticipated, it is recommended to use a primer for best performance.

**Caution:** Avoid prolonged contact with skin. Uncured adhesive irritates eyes, in case of contact with eyes, immediately flush with water and call a physician.

### SPECIFICATIONS

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ASTM C-920, Type S, Grade NS, Class 25, use NT, T, M, G, A and O  
Federal Specification TT-S-00230-C Type II, Class A  
Corps of Engineers CRD-C-541, Type II, Class A  
Canadian Standards Board CAN 19, 13-M82

### HAZARDS

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This product contains solvent-free formulated silyl-terminated polyether. Before working with this product, read and become familiar with information concerning hazards, proper use and handling. To request an MSDS, please send an e-mail to [msds@eclecticproducts.com](mailto:msds@eclecticproducts.com) or call 800.333.9826.

### LIMITED WARRANTY

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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.