

## CLR 125 All Purpose - All Weather - Adhesive/Sealant

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### Product Description

**ECO-BOND** is a no VOC, premium modified polymer adhesive/sealant designed for application in damp, dry or cold climates. **ECO-BOND** is petroleum free, solvent free, moisture curing and contains no isocyanates. **ECO-BOND** will not shrink upon curing, will not discolor when exposed to UV light, and cannot “out-gas” or bubble on damp surfaces as urethane sealants often do. **ECO-BOND** has excellent adhesion to most construction materials and has resilient “elastomeric” properties. **ECO-BOND** is capable of joint movement in excess of 25% compression and extension. Because it cures in wet or dry climate conditions and at low temperatures (30° F), **ECO-BOND** can be used effectively in many difficult construction site conditions.

### Advantages

- Non-toxic
- Petroleum free
- Solvent free,
- Will not shrink, 100% solids
- 30 minute skin over, resists dirt pick up
- Glossy finish
- Excellent UV resistance
- Color stability, will not suntan or discolor
- Paintable within 24 hours
- Can be used between 2 non-porous surfaces
- Can be used in a confined space
- Can be applied to 30 degrees

### Typical Cured Properties

Shear strength: 200 PSI ASTM D-1002  
Tensile strength: 250 psi  
Peel strength: 22 pli  
Elongation at break: 400-500% ASTM D-412  
Shore A Hardness: 30 +/- 3 ASTM C-661  
Low temperature: Minus 10° F flex pass ¼ inch mandrel ASTM D-816  
Shrinkage: No measurable shrinkage after 14 days  
Service: Minus 40° F to 200° F temperature continuous service  
Non flammable  
Can be applied to 2 non-porous surfaces

### Typical Uncured Properties

Viscosity: 700,000-1,200,000 cps at 72°F, Industrial Method  
Tack free time: 25 minutes @ 50% RH, 72°F, ASTM C-679  
Odor: Low  
Shelf life Cartridges: 1 year



## Applicable Performance Standards

- ASTM C-920, Type S, Grade NS, Class 25, Uses 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

## Regulatory Compliance

- Conforms to OTC Rule for Sealants and Caulks
- Meets requirements of California Regs: BAAQMD, CARB and SCAQMD
- Conforms to California Proposition 65
- Conforms to USDA Requirements for Non-food Contact

## Green Standards

- LEED 2.2 for New Construction and Major Renovations: Low Emitting Materials (Section 4.1) 1 Point
- NAHB Model Green Home Building Guidelines:5 Global Impact Points
- VOC Content at 240° F: less than 13 grams/liter (including water), ASTM D2369, EPA Method 24

## Packaging

- 10.1 oz (300 ml) 24 cartridges/carton, 45 cartons/pallet

## Colors

Clear

## 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 one-half the width). Control the depth of the sealant by using a polyethylene backer rod that is 25% larger than the joint opening at standard temperature. To prevent three-point adhesion use a backer rod or bond breaker tape to ensure proper joint movement and a long lasting weatherproof seal. Where the joint configuration will not permit a backer rod, **ECO-BOND** recommends that an alternative bond breaker be used.

## Joint Preparation

Joint surfaces should be clean, dry and free from all contamination including: dirt, oils, grease, tar, wax, rust and any other substance that may inhibit the sealant's performance.

## Basic Uses

Sealing Siding, Wood, Vinyl, Aluminum, Cement, steel  
General Construction Sealant  
Block and Masonry Repair  
Window Installation  
Sealing Gutters  
Sinks and Tubs  
Weather sealing

**Compatible Substrates\***

Concrete  
Block and Brick  
Stone  
Masonry  
Tile  
Aged Asphalt  
Wood  
Drywall  
Aluminum and Galvanized Metal  
PVC  
Glass  
EPS Foam

## Application Guidelines

Remove all dirt, oil, loose paint, frost and other contamination from all working surfaces with alcohol. DO NOT USE petroleum solvents such as mineral spirits or xylene. Maintain **ECO-BOND** at room temperature before applying to ensure easy gunning and leveling. Test and evaluate to ensure adequate adhesion. Carefully gun the sealant with a smooth, continuous bead. If tooling is needed, do so within fifteen minutes of application.

## Application Instructions

### Metal

Prepare all metal to ensure maximum adhesion. Remove all rust, scale and residue by wire brushing to a bright metal sheen. Remove films, loose or inappropriate coatings and oils with an appropriate solvent such as alcohol.\*

### Concrete

Prior to application remove any residual contamination by mechanical abrasion, sand blasting or power washing. On green concrete, remove all release agents and friable and loose concrete. Dry all visible and standing water prior to applying **ECO-BOND**. Install an appropriate backer rod to avoid three-point bonding.

### Wood

Wood should be clean, sound and dry prior to sealant application. Allow treated wood to weather for six months prior to application. Remove all coatings and paint (or test for compatibility) to ensure proper bonding. Do not use on fire retardant lumber.

### PVC/Plastic

Remove all dirt, oil, loose paint, frost and other contamination from all working surfaces. Apply a continuous bead of material tooling within 15 minutes.

### Priming

In most instances **ECO-BOND** will not require a primer. However, certain applications or substrates may require a primer to ensure a long lasting bond and weatherproof seal. It is the applicator's responsibility to determine the need for a primer. **ECO-BOND** recommends a primer be used for any application where prolonged immersion is anticipated.

## Limitations

- In areas where prolonged chemical exposure is anticipated, contact Technical Services for recommendations.
- Allow treated wood to "cure" for six months prior to application per APA guidelines.
- Do not use in areas subject to continuous immersion.
- Do not store in elevated temperatures.
- Allow asphalt to cure a minimum of six months before applying **ECO-BOND**

- Remove all coatings and sealers before application.

\* **ECO-BOND** recommends that coated substrates be tested for adhesion prior to starting a project. Please contact Technical Services for specific application guidelines and recommendations.

## Caution

Avoid prolonged contact with skin. Uncured adhesive irritates eyes. In case of contact with eyes, immediately flush with water. Call a physician. Please refer to the MSDS for First Aid information. Most current MSDS can be found at [www.ecobondadhesives.com](http://www.ecobondadhesives.com).

KEEP OUT OF REACH OF CHILDREN.

## Shelf Life

One year from date of manufacture when stored in normal environments. High temperature and high relative humidity may significantly reduce shelf life. Pails and special orders have a shelf life of three months.

## Storage

Store original, unopened containers in a cool, dry area. Protect unopened containers from water, heat and direct sunlight. Elevated temperatures will reduce shelf life. **ECO-BOND** will not freeze.

## Clean-Up

Wet sealant can be removed using a solvent such as alcohol. Cured **ECO-BOND** can be removed by abrading or scraping the substrate.

Read and ensure that the most up-to-date MSDS and technical guidelines are being followed. Proper use and application are the responsibility of the applicator. Direct any questions to Technical Services at 800-326-8102 prior to starting the project.

## IMPORTANT NOTICE

Except where prohibited by law, **ECO-BOND** makes no warranties, expressed or implied, statutory or otherwise, including, but not limited to, any implied condition or warranty of merchant ability or fitness for a particular purpose. User is responsible for determining whether this **ECO-BOND** product is fit for a particular purpose and suitable for user's method of application.

## LIMITATIONS OF REMEDIES AND LIABILITY

If this **ECO-BOND** product is proved to be defective, the exclusive remedy at **ECO-BOND** s option shall be to refund the purchase price of or to repair or replace the defective **ECO-BOND** product. **ECO-BOND** shall not otherwise be liable for loss of damages, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including negligence, warranty or strict liability.

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

**ECO-BOND** Setting a new Standard, *The Next Generation Sealant All Weather Construction Adhesive/Sealant*