

# ECO-BOND LD 50

## General Interior Construction Adhesive and Sealant

### PERFORMANCE SPECIFICATIONS:

Shear Strength	115 psi
Tensile Strength	115 psi
Elongation	280%
Peel Strength pli 90 degree	7 pli
Application Temperature (Frost free)	30
Service Temperature	-40 to 200
Slump/sag	0
Shore A Hardness	13
Solids	100%
UV rating	Good
Glossy Finish	Yes

### GENERAL SPECIFICATIONS:

Paintable	Yes
Permanently Elastic	Yes
Odor	Low
Moisture Curing	Yes
Staining	0
Shrinkage	0
Non Flammable	Yes
Can be used in a confined space	Yes
Tack Free	45 Min
Color	White

### GENERAL APPLICATIONS:

#### Can be applied to:

Wood
Fiberglass
Metal
Drywall
Glass
Mirrors
Paneling
Laminate
Concrete
Tile
Foam
2 non porous surfaces

### GREEN ATTRIBUTES:

Materials listed on Prop 65 CA	None
Meets all California Standards	Yes
CARB Compliant	Yes
SARA compliant	Yes
LEED Compliant	Yes
SCAQMP Rule 1168 VOC	Yes
BAAQMD	Yes
Non Toxic	Yes
VOC rating at 240 degrees	19 g/liter
Isocyanate Free	Yes
Urethane free	Yes
Solvent free	Yes
Not considered hazardous waste RCRA Criteria	Yes
Ethylene Glycol	None
Carcinogens Listed	None
Chemicals on the toxic chemical List	None
LEED Leadership In Energy and Environmental Design	Yes
NAHB Green Building Guidelines	Yes



## ECO-BOND

Setting a New Standard

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# ECO-BOND LD50

## Product Description

ECO-BOND LD 50 is a moisture curing, modified polymer adhesive/sealant designed for application in damp, dry or cold climates. ECO-BOND LD 50 is solvent free and contains no isocyanates. ECO-BOND LD50 will not shrink upon curing, will not discolor when exposed to UV light, and can not “outgas” or bubble on damp surfaces urethane sealants often do. ECO-BOND LD 50 has excellent adhesion to most construction materials and resilient “elastomeric” properties. ECO-BOND LD 50 is capable of joint movement in excess of 15% compression and extension. Because it cures in wet or dry climate conditions and at low temperatures (30° F), ECO-BOND LD50 can be used effectively in almost all interior applications.

## 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
- Conforms to OTC Rule for Sealants and Caulks
- Meets requirements of California Regs: 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 249° F: less than 19 grams/liter (including water), ASTM D2369, EPA Method 24

## Colors

White, Gray, Tan

## Application Instructions

1. 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.
2. Maintain ECO-BOND at room temperature before applying to ensure easy gunning.
3. Test and evaluate to ensure adequate adhesion.
4. Apply with a quality caulk gun.
5. Cut the cartridge nozzle at a 45° angle and to the desired gauge/length.
6. Puncture inner seal and carefully gun the sealant with a smooth, continuous bead.
7. If tooling is needed, do so within fifteen minutes.
8. 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).
9. Apply in temperatures above 30 degrees
10. Remove any standing water
11. Clean up wet ECO-BOND with alcohol, cured product maybe removed with abrasion.
12. Do not consume
13. Properly dispose of any unused product.
14. Keep out of reach of children

\*Test and evaluate to ensure adequate adhesion.