

## OVERVIEW & FEATURES

Green-Lock Structural Adhesive is a single component, hybrid polymer structural adhesive designed for difficult bonding and sealing applications. Green-Lock Structural Adhesive bonds tenaciously to asphalt and coal tar BUR, asphalt and coal tar modified bitumen, APP, many types of coated metal, metal flashing details, concrete, brickwork, lumber, many plastics, stone, aluminum, steel, ceramics, extruded polystyrene (XPS) insulation and glass.

**VOC Compliant** - Green-Lock Structural Adhesive is 100% solids, meaning it has very low odor and no shrinkage.

**Strong & Flexible** - Bonds tenaciously to metal, masonry or wood. Green-Lock Structural Adhesive (when cured) produces 300% elongation to accommodate the most severe amounts of building movement.

**Low Temperature Flexibility** - Green-Lock Structural Adhesive maintains its physical properties down to -40°F (-40°C).

**No Slump** - Green-Lock Structural Adhesive experiences no slump; it stays on the surface it is adhered to.

## APPLICATION

Green-Lock Structural Adhesive is ready to use in its standard 10.1 fl. oz. (300 ml) cartridge. There is no settling or separation with Green-Lock Structural Adhesive. During cold weather, store product inside at room temperature to aid workability. Ensure all surfaces are clean and free from debris prior to application. All application surfaces need to be dry. Apply to either surface, then apply gentle pressure to form the bond. A recommended 3/8 in. (.95 cm) bead is recommended for applications.

**Surface Preparation** - Surfaces must be dry and free of all contaminants such as oil, grease, wax, dust, corrosion, loose aggregate, form-release agents.

**Priming** - Never use a substitute for proper surface preparation. Priming is not required on most common building materials. However, varieties of brick, natural stone, plastics, paints, coatings and other treatments of surfaces often present difficult substrates to which to adhere. Due to the number and unpredictable nature of these substrates, a field test is recommended to determine the adhesion of Green-Lock Structural Adhesive. Because architectural stones such as marble and granite vary considerably in porosity, some bleeding of the sealant into the substrate is a possibility. A field test to confirm this possibility is recommended.

**Cleaning** - Use alcohol or soap and water to remove excess sealant before it cures and to clean equipment. Cured Green-Lock Structural Adhesive can be removed by scraping or abrading.

**Storage Life** - Green-Lock Structural Adhesive has a warranted shelf life of 12 months from date of shipment from the factory when stored in original, unopened cartridges at conditions not exceeding 80°F (27°C), 50% R.H. Consistently higher temperatures and/or humidity will shorten this shelf life.

**Tool Time** (initial bond) - 1-2 hours at 77°F (25°C), 50% relative humidity. Higher temperatures and/or humidity will shorten this time.

## PRECAUTIONS

- Avoid skin and eye contact
- Skin may be cleaned with mineral spirits and then washed thoroughly with soap and water
- May be harmful if swallowed; do not induce vomiting and call physician immediately
- Keep away from heat and flames
- Refer to Safety Data Sheet (SDS)



Technical Data	Green-Lock Structural Adhesive
<b>Hardness Shore A (ASTM C 661)</b>	53-59 ± 3
<b>Shear Strength (ASTM D 1002)</b>	120 psi
<b>Tack-Free Time (ASTM C 679)</b>	17-20 minutes
<b>Slump (sag) (ASTM C 697)</b>	0 slump
<b>Shrinkage</b>	No measurable shrinkage after 14 days
<b>Low Temperature Flex. Pass ¼ in. mandrel</b>	-20°F (-28.8°C)
<b>Service Temperature</b>	-40°F to 200°F (-40°C to 93°C)
<b>Specific Gravity</b>	1.55 (12.95/gal)
<b>Viscosity @ 70°F (20°C) Brookfield RVF, TF spindle, 2 RPM</b>	500,000 cP
<b>Shelf Life</b>	12 months
<b>Coverage Approximately 1/4 in. x 1/4 in. (.635 cm. x .635 cm)bead</b>	26 lineal feet (7.9 m)
<b>Packaging</b>	10.1 oz. (300 ml) cartridge 24 cartridges per case

Eco-Facts	Green-Lock Structural Adhesive
<b>VOC</b>	<50 g/L

For specific recommendations and coverage rates, please contact your local Garland Representative or Garland Technical Service Department.



For more information, visit us at: [www.garlandco.com](http://www.garlandco.com)

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Tests verified by independent laboratories. Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. A ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or Garland Corporate Office for more information.

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