

OVERVIEW

Green-Lock Sealant XL is a single component, high performance, 100% solids, hybrid polymer joint sealant designed for difficult sealing applications throughout the building envelope. Green-Lock Sealant XL is the perfect sealant for both moving and non-moving joint applications.

Green-Lock Sealant XL bonds tenaciously to asphalt modified bitumen sheets, concrete, metal (including Kynar® coated metal), PVC, brick, EIFS, stone, untreated lumber and EPDM membranes. It can also be used to seal aluminum, steel, ceramics, and extruded polystyrene (XPS) insulation.

VOC Compliant – Green-Lock Sealant XL is 100% solids, meaning it has very low odor and will not shrink once cured.

Strong & Flexible – Bonds tenaciously to metal, masonry and wood.

Movement Capability – Produces 550% elongation to accommodate the most severe amounts of building movement.

Low Temperature Flexibility – Maintains its physical properties down to -40°F (-40°C).

No Slump – Experiences no slump and stays on the surface that it is adhered; can be used for overhead applications.

APPLICATION

Green-Lock Sealant XL is ready to use in its standard 20 fl. oz. (600 ml) sausage. There is no settling or separation with Green-Lock Sealant XL. During cold weather, store product inside at room temperature to aid in workability. Ensure all surfaces are clean and free from debris prior to application. Apply to either surface, then apply gentle pressure to form the bond. It is recommended to not exceed a 2 in. wide bead for applications and at that width, do not exceed 1 in. in depth. Do not apply at temperatures below 40° F (4°C).

Surface Preparation – All substrates must be structurally sound, dry, and free of bond-inhibiting contaminants, including oil, grease, wax, dust, corrosion, loose aggregate, and form-release agents. To ensure optimal adhesion, substrates should be cleaned using a “two-cloth” wipe method. If a solvent is required for cleaning, acetone must be used exclusively.

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, EIFS, coatings and other treatments of surfaces often present adherence difficulties. Due to the number and unpredictable nature of these substrates, a field test is recommended to determine the adhesion of Green-Lock Sealant XL.

Joint Backing – Backer rods control the depth of the sealant and allow it to be applied under pressure. Use an oversized, bi-cellular backer rod sized so that it will compress 25%. Closed-cell, polyethylene may be used but take care not to puncture the rod which can cause outgassing or bubbling/blistering in the sealant. In joints too shallow for backer rod, use a polyethylene bond-breaker tape to prevent threesided adhesion. Joints should be masked to ensure a neat appearance. Sealant should be applied in a continuous operation using sufficient pressure to fill the joint and make complete contact to the joint sides. Tool the sealant slightly concave using dry-tooling techniques. Do not tool with soap or detergent and water solutions.

Cleaning – Use alcohol or soap and water to remove excess sealant before it cures and to clean equipment. Cured Green-Lock Sealant XL can be removed by cutting and scraping or abrading.

Storage Life – Green-Lock Sealant XL has a shelf life of 12 months from date of manufacture when stored in original, unopened sausages 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

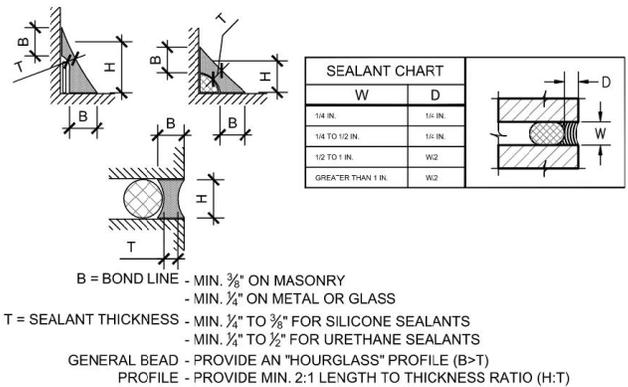
- Avoid skin and eye contact
- Skin may be cleaned with mineral spirits and then washed thoroughly with soap and water
- May be harmful if swallowed; do not induce vomiting and call physician immediately
- Keep away from heat and flames
- Refer to Safety Data Sheet (SDS)

Technical Data	Green-Lock Sealant XL
Hardness Shore A (ASTM C 661)	10 ± 3
Tack-Free Time (ASTM C 679)	145 minutes
Slump (sag) (ASTM C 697)	0 slump
Shrinkage	No measurable shrinkage after 14 days
Elongation	550%
Low Temperature Flex. Pass ¼ in. mandrel	-20°F (-28.8°C)
Specific Gravity (ASTM D 1475)	1.3
Viscosity @ 70°F (20°C) Brookfield RVF, TF spindle, 4 RPM	812,500+ cPs
Class (ASTM C 920)	50
Shelf Life	12 months
Color	20 oz. sausage: Black, Aluminum Stone, Limestone, Natural Stone, Medium Bronze, Brick Red, Tan, Gray, White
Packaging	20 oz. (600 ml) sausage 12 sausages per case 3 gal (11.4 l) - White and Gray only

Eco-Facts	Green-Lock Sealant XL
VOC	<50 g/L

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

Joint Size (depth x width)	20 oz. Sausage
1/4" x 1/4" (0.635cm x 0.635cm)	48 ft. (14.63m)
1/4" x 1/2" (0.635cm x 1.27cm)	24 ft. (7.32m)
3/8" x 3/8" (0.95cm x 0.95cm)	21 ft. (6.40m)
3/8" x 3/4" (0.95cm x 1.91cm)	10.5 ft. (3.20m)
1/2" x 1/2" (1.27cm x 1.27cm)	12 ft. (3.66m)
1/2" x 1" (1.27cm x 2.54cm)	6 ft. (1.83m)
3/4" x 3/4" (1.91cm x 1.91cm)	5 ft. (1.52m)
3/4" x 1.5" (1.91cm x 3.175cm)	3 ft. (0.91m)
1" x 1" (2.54cm x 2.54cm)	3 ft. (0.91m)



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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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