

OVERVIEW & FEATURES

Green-Lock Plus Flashing Adhesive is a trowel grade, cold applied, ultra low VOC, 100% polyether moisture-cured flashing adhesive. Green-Lock Plus Flashing Adhesive is an ideal cold process adhesive for modified bitumen base sheets and modified bitumen cap sheets because it bonds tenaciously to SBS modified bitumen membranes. It is used to apply flashings in conjunction with Garland's regular cold applied or Garland hot applied SBS modified roofing systems.

The Green-Lock Plus Flashing Adhesive system consists of a multi-ply flashing application beginning with a base ply of Garland's two-ply base sheets followed by one of Garland's StressPly® family of smooth or mineral membranes as cap sheets. The result is a high performance, solvent free, multi-ply, modified cold applied flashing system.

Solvent Free - Green-Lock Plus Flashing Adhesive uses polyether technology containing zero solvents. Being solvent free helps to prevent some of the adverse effects that are typically associated with solvent based products, including odors, compound damage, and solvent blisters. Green-Lock Plus Flashing Adhesive has very little odor, making it an environmentally friendly option.

Polyether Technology - Green-Lock Plus Flashing Adhesive is a moisture cured polymer that reacts with the moisture in the air to become a strong, tough and resilient rubber. It bonds the flashing system together, holding it securely both to the wall/flashing and underlying roof system. It also cures much quicker than standard solvent based adhesives.

Easy Trowel Grade Consistency - Green-Lock Plus Flashing Adhesive is formulated to a trowel grade consistency which makes it much easier to apply. The material adheres to the substrate that it is applied to without any vertical sagging or flow. It has tremendous green strength holding the modified base sheet and modified cap sheet in place until they can be mechanically attached and properly detailed and secured.

Environmentally Friendly - Green-Lock Plus Flashing Adhesive contains low VOCs and is 100% solids and solvent free. This non-asphaltic formulation is very low odor and it lowers the carbon footprint of roofing assemblies.

APPLICATION

Flashing Adhesive is ready to use immediately. In cool weather, store all flashing cement containers at 70°F (21°C) for 24 hours before use.

Using the width of the roll as the maximum length of the flashing membrane, precut the flashing membrane pieces to the proper height, extending out onto the field of the roof a minimum of 6" (15.24 cm) for the base ply and 9" (22.86 cm) for the cap ply. All cutting shall be completed on a piece of plywood in order to prevent cutting the roof membrane. All flashing work shall start at the low point of the roof. The first flashing piece installed shall be one half the normal length of the flashing pieces in order to stagger the laps with the field membrane laps.

Using an 1/8" (3mm) notched trowel, apply Green-Lock Plus Flashing Adhesive to the substrate at a rate of 2-3 gal./100 sq. ft. (0.82-1.2 l/m²). On a separate piece of plywood or base sheet, turn the precut flashing pieces "bottom side up." Trowel the Green-Lock Plus Flashing Adhesive at a rate of 2-3 gal./100 sq. ft. (0.82-1.21 l/m²) to the entire bottom of the flashing piece with a notched trowel, covering it completely. Pick up the coated flashing membrane and press it into position. Apply hard pressure to the entire surface of the membrane, making sure all air pockets are removed and 100% contact with the substrate is obtained.

PRECAUTIONS

- Coverage rate increases over more porous substrate
- Roofing granules must be installed in adhesive bleed out prior to applying reflective coatings
- Must allow adhesive to cure for 21 days before applying any roof coatings due to staining
- Do not mix water into the pails of adhesive
- Do not use in freezing conditions and do not apply the adhesive over ice or moisture
- Do not apply the adhesive in the rain
- Ensure substrate temperature is at least six Fahrenheit degrees or three Celsius degrees and rising above the dew point

Technical Data	Green-Lock Plus Flashing Adhesive
Flash Point	375°F (190°C)
Density @ 77°F (25°C) (ASTM D 1475)	11.8 lbs./gal. (1.17 g/m ³)
Non-Volatile (ASTM D 4586)	100%
Viscosity @ 77°F (25°C) (ASTM D 2196)	122,500 cP
Tensile Strength (ASTM D 412)	110 psi (0.76 MPa)
Cure Time @ 70°F (21°C) and 50% Humidity (ASTM C 679)	100 minutes
Shelf Life	12 months
Color	Dark Slate Gray
Carrier	Water
Coverage	4-6 gal./100 sq. ft. (1.6-2.4 l/m ²)
Packaging	3.5 gal. (13.2 L) pail



For more information, visit us at: www.garlandco.com

The Garland Company, Inc.
3800 East 91st Street
Cleveland, OH 44105
FAX: 216-641-0633
Phone: 216-641-7500
Toll Free: 800-321-9336

Garland Canada Inc.
209 Carrier Drive
Toronto, Ontario
Canada, M9W 5Y8
FAX: 416-747-1980
Phone: 416-747-7995
Toll Free: 800-387-5991
(Only in Canada)

Tests verified by independent laboratories. Actual 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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