

OVERVIEW & FEATURES

Green-Lock Plus Membrane Adhesive is a high-performance, asphalt free, moisture-cured polymer adhesive used to construct cold process roofing systems for Garland approved membranes. The result is a high performance, solvent free, cold applied multi-ply modified bitumen roof system with an outstanding life span that functions equally well on flat surfaces and slopes up to 3:12. Green-Lock Plus Membrane Adhesive is easy to apply by squeegee.

Versatile - Green-Lock Plus Membrane Adhesive is approved for use with Garland's approved base and cap sheets. Green-Lock Plus Membrane Adhesive can be directly applied to DensDeck Prime®, SecuRock®, or high density asphalt coated wood fiberboard. Green-Lock Plus Membrane Adhesive can also be used as a surfacing adhesive to adhere roofing aggregate. Compatible with asphalt-based roofing mastics, adhesives and sealers.

Environmentally-Friendly - Green-Lock Plus Membrane Adhesive contains ultra 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

In cool weather, store all adhesive containers at 70°F (21°C) for 24 hours before use. Applying cold adhesive to a cold substrate will increase the application rate of the adhesive due to the increase in the viscosity of the adhesive. The adhesive is to be applied at a minimum application temperature of 50°F (10°C) and rising.

Interply - Starting at the low point on the roof, the salvage edge of the sheet shall be "up slope." Unroll cap sheet and base sheet and allow to relax; this will aid a flat uniform application - re-roll prior to application. Snap chalk lines in areas where application of the adhesive to the sheet will occur. Pour the adhesive on the roof substrate and use a notched squeegee to spread the adhesive covering the entire substrate at an application rate of 2-2.5 gal./100 sq. ft. (0.82-1.02 l/m²) for base and cap sheet.

Unroll the sheet into the wet adhesive and repeat the adhesive application procedure for the next roll/sheet covering any head or side laps as required. If desired, the adhesive can be applied to the side laps and head laps with a 4" (101 mm) wide medium nap roller. If curling occurs on the head laps, adhesive can be applied to both bonding surfaces. This will hold the head laps in place. Apply a temporary weight if necessary. Use a push broom to press membrane into adhesive. Apply roofing granules into the adhesive bleed out at 30 lbs./100 sq. ft.

Flood Coat - To apply Green-Lock Plus Membrane Adhesive as a flood coat, sweep or blow away any dust, dirt or debris off the cap sheet. Then pour Green-Lock Plus Membrane Adhesive onto the cap sheet at a rate 4-5 gal./100 sq. ft. (1.63-2.0 l/m²) and spread with a 1/2" squeegee. Finally, broadcast 400 lbs./100 sq. ft. (181 kg/9.29m²) of gravel immediately into the adhesive.

PRECAUTIONS

- Not a sprayable product; dispense only by Garland-approved methods
- High levels of humidity decreases work time of product
- May not be used as a restoration coating
- Coverage rate increases over more porous cover board
- Roofing granules **must** be installed in adhesive bleed out prior to applying reflective coatings
- Must allow adhesive to cure for 30 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
- Do not heat-weld seams
- Do not apply interply adhesive beyond 5 ft. of the roll
- Ensure ambient temperature is at least six degrees Fahrenheit or three degrees Celsius and rising above the dew point

Technical Data	Green-Lock Plus Membrane Adhesive
Flash Point (ASTM D 93)	375°F (190°C)
Density @ 77°F (25°C) (ASTM D 1475)	11.4 lbs./gal. (1.36 g/m³)
Non-Volatile (ASTM D 4586)	100%
Slope Limitations	3:12
Viscosity @ 73.4 ± 2°F (23 ± 2°C) Brookfield Spindle T-E, 5 RPM	124,000 cPs
Skin Time @ 70°F (21°C) and 50% Humidity	40-120 minutes
Color	Slate
Shelf Life	12 months
Coverage Interply	2-2.5 gal./100 sq. ft. (0.82-1.02 l/m²)
New Flood Coat	4 - 5 gal./100 sq. ft. (1.63-2.04 l/m²)
Wet Mil Thickness Interply	32-40 mils
New Flood Coat	64 - 80 mils
Packaging	5 gallon pail (18.9 l)

Eco-Facts	Green-Lock Plus Membrane Adhesive
VOC	<50 g/L

For specific application recommendations, please contact your local Garland Representative or Garland Technical Service Department.



For more information, visit us at: 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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