

OVERVIEW & FEATURES

Energizer LO is a multi-purpose, asphaltic polyurethane-based, low-odor, fluid-applied waterproofing membrane designed to restore smooth or mineral surfaced SBS, aged APP, and built-up roof systems. The combined waterproofing properties of polyurethane and asphalt material make Energizer LO an extremely durable roof restoration system.

Low Odor & Environmentally Safe - Due to its asphaltic urethane chemistry and low solvent content, Energizer LO is a low-odor product, minimizing concerns in VOC sensitive areas like hospitals, schools, and food production plants. When the Energizer LO cures, it initially looks like hot-applied rubberized asphalt. However, there is no need for a torch or hot kettle.

Extended Life Expectancy - When SBS and APP modified membranes were introduced, they extended the life expectancy of the standard BUR. However, like anything else, SBS and APP wearing surfaces degrade over time due to erosion from the elements and UV degradation. Energizer LO restores the high-performance of the rubber and the wearing surface like new.

User-Friendly & Versatile - Energizer LO can be applied with a brush, squeegee, or spray, making it easy for in-house maintenance use. Energizer LO is very versatile; it can be used on SBS, aged APP, and smooth or mineral surfaced asphalt roofs.

Cures Quickly - Energizer LO's polyurethane chemistry undergoes a chemical curing reaction that builds strength over time unlike other solvent-based rubberized coatings that simply form films as the solvent flashes off.

SURFACE PREPARATION

Ensure that wet conditions do not exist. A moisture survey is required to detect wet insulation. Remove all wet insulation, dirt and debris from the existing roof to ensure proper adhesion.

Prime the roof surface with Garland's Garla-Prime™ or Garla-Prime VOC at 0.5 gal/100 sq. ft. (.20 l/m²).

APPLICATION

Refer to the Energizer Application Guidelines for complete substrate specific repair, preparation and application requirements.

For Roof Coating - Slopes are restricted to 3:12 (25 cm/m) @ 77°F (25°C) maximum. Apply Energizer LO at a rate of approximately 3 gal./100 sq. ft. (1.22 l/m²) over the entire roof surface.

If granules are to be incorporated, apply them immediately after Energizer LO application. Do not spread minerals over surfaces prior to product application. When granules are not applied, Energizer LO must be coated with either Garla-Brite, Silver-Shield or Pyramic Plus LO at 15-30 days after application.

For Reinforced Roof Restoration - Slopes are restricted to 3:12 (25 cm/m) @ 77°F (25°C) maximum. Apply Energizer LO at a rate of approximately 5-6 gal./100 sq. ft. (2.0-2.4 l/m²) with Grip Polyester® Firm embedded within the Energizer LO over the entire roof surface. Please refer to Application Guidelines for coverage rates of other surfaces.

If granules are to be incorporated, apply them immediately after Energizer LO application. Do not spread minerals over surfaces prior to product application. When granules are not applied, Energizer LO must be coated with either Garla-Brite, Silver-Shield or Pyramic Plus LO at 15-30 days after application.

PRECAUTIONS

- Do not apply over wet surfaces
- Please read product label and SDS
- Material should be kept indoors while not in use, do not keep on the roof overnight

Energizer LO

Technical Data	Energizer LO
Non Volatile (ASTM C 1250)	82%
Ash Content (ASTM D 5040)	19%
Density (ASTM D 1475)	9.4 lb./gal. (1.13 g/cm ³)
Viscosity @ 77°F (25°C) Brookfield RVT, Spindle #5, 50 rpm	6,500 cP
Flash Point (ASTM D 93)	Minimum 100°F (37.7°C)
Elongation @ 77°F (25°C) (ASTM D 412)	Typical 1100%
Water Absorption	<0.7%
Compound Stability	Passes 220°F (104.4°C)
Shelf Life	12 months
Packaging	5 gallon (18.9 l) pail 55 gallon (208.2 l) drum

Eco-Facts	Energizer LO
VOC	204 g/l

COVERAGE

Fluid-Applied Roof Restoration System	Final Surface	Gallons per Square w/ Grip Polyester Firm	Liters per m ² w/ Grip Polyester Firm
Smooth	Coated	2.5/Poly/2.5	1.0/Poly/1.0
Mineral	Coated	3.0/Poly/2.5	1.2/Poly/1.0
Smooth	Mineral	2.5/Poly/3.0	1.0/Poly/1.2
Mineral	Mineral	3.0/Poly/3.0	1.2/Poly/1.2

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

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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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