

OVERVIEW & FEATURES

Energizer BK is a fluid applied product designed to waterproof a variety of roof membrane surfaces. The polymer-enhanced asphalt/coal tar blend provides natural resistance to moisture, chemicals, UV and aging. This cold-applied waterproof system improves the long-term performance of existing coal tar pitch and asphalt roofing systems. It is formulated with a select blend of asphalt, refined coal tar pitch, aromatic solvents and thermoplastic polymers.

Energizer BK provides a seamless, elastomeric surfacing for aged gravel, smooth or mineral modified roofing systems. Energizer BK also provides waterproofing protection over asphalt BUR or gravel surfaced coal tar BUR.

Long-lasting Waterproofing - Extend the life of your roof with Energizer BK, which provides natural resistance to moisture, chemicals, UV, and aging.

Strong & Flexible - Energizer BK forms a strong, flexible, monolithic, seamless membrane. Energizer BK is fiber reinforced to provide superior sag resistance, increased tensile strength, excellent crack resistance and improved weathering.

APPLICATION

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

Surface Preparation - All surfaces must be clean, free of heavy dirt, dust, debris, oils, loose gravel, un-adhered coatings, deteriorated membranes, and other contaminants that may result in a surface that is not sound. Repair any blisters, ridges or splits in the membrane with the appropriate roofing materials. Surface must be free of frost, snow, ice and moisture. A moisture survey is required to ensure that all wet insulation is removed and replaced with like kind and thickness.

Slopes are restricted to 1:12 (25 cm/m) @ 77°F (25°C) maximum.

For Smooth or Mineral Roof Restoration - Apply Energizer BK at a rate of approximately 6-7 gal./100 sq. ft. (2.4 -2.8 l/m²) with Grip Polyester™ Firm embedded within the Energizer BK over the entire roof surface. If granules are to be incorporated, apply them subsequent to the Energizer BK application. If granules are not applied to the roof surface after Energizer BK is immediately applied, the surface must be coated with an Garla-Brite or Silver-Shield after product cures (at least 30 days after application).

For Gravel Restoration - Apply Energizer BK at a rate of approximately 6-8 gal/100 sq. ft. (2.4 - 3.2 l/m²) over a properly prepared gravel surfaced roof. Then embed gravel while the material is still wet at 400 lbs./100 sq. ft.

For Roof Coating - Apply the Energizer BK at a rate of approximately 3 gal./100 sq. ft. (1.2 l/m²) over the entire roof surface. If granules are to be incorporated, apply them subsequent to the Energizer BK application.

Note: For proper spray application protocol, reference the Energizer Spray Application Guidelines document.

PRECAUTIONS

- Do not use over rubber or plastic substrates
- Make sure to have adequate ventilation
- Keep away from open flame
- In depth safety information can be obtained from Garland's SDS Sheet or the NRCA's Safety Awareness video
- Do not thin this product
- Keep material warm prior to application when at or below 50°F (10°C)
- Contains coal tar allowing the coating to remain soft at high temperatures

Energizer BK

Technical Data	Energizer BK
Viscosity (Brookfield)	15,000-300,000 cP
Flash Point min.	105°F (40°C)
Solids by weight by volume (ASTM D 6511)	62-64% 67-73%
Density (ASTM D 6511)	7.6-7.8 lbs./gal
Drying Time to touch @ 70°F (21.1°C) -50% R.H.	4 Hours
Shelf Life @ 70°F (21.1°C) - 50% R.H.)	12 months
Tensile Strength, psi (ASTM D 412)	190 min.
Elongation % (ASTM D 412)	2,000 min.
Color	Black
Packaging	5 gal. pails (19 l) 55 gal. drums (470 l)

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

Please refer to the Safety Data Sheet and labeling for potential risks. Exposure to this product may cause skin and respiratory tract irritation; prolonged skin exposure may result in skin cancer and long term exposure has been associated with kidney, bladder, scrotum, and lung cancer.

Eco-Facts	Energizer BK
VOC	300 g/l

COVERAGE

Fluid-Applied Roof Restoration System , Energizer BK Smooth or Mineral System Restoration

Existing Roof Surface	Final Surface	Gallons per square w/ Grip Polyester Firm	Liters per m ² w/ Grip Polyester Firm
Smooth	Coated	3.0/Poly/3.0	1.2/Poly/1.2
Mineral	Coated	3.5/Poly/3.0	1.4/Poly/1.2
Smooth	Mineral	3.0/Poly/3.5	1.2/Poly/1.4
Mineral	Mineral	3.5/Poly/3.5	1.4/Poly/1.4

COVERAGE

Energizer BK Gravel System Restoration

Existing Roof Surface	Final Surface	Gallons per square	Liters per m ²
Gravel	Gravel	6.0-8.0	2.4-3.2

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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