

## OVERVIEW & FEATURES

Energizer BK is a high-performance fluid-applied product designed to provide reliable waterproofing across a wide range of roofing surfaces. Featuring a polymer-enhanced asphalt and coal tar blend, it offers outstanding resistance to moisture, chemicals, UV rays, and aging. This cold-applied system enhances the performance of existing coal tar pitch and asphalt roofing, extending the life of the roof.

Formulated with a precise blend of asphalt, refined coal tar pitch, aromatic solvents, and thermoplastic polymers, Energizer BK creates a seamless, elastomeric surface for aged gravel, smooth, or mineral-modified roofing systems. It also offers exceptional waterproofing protection over asphalt BUR and gravel-surfaced coal tar BUR systems.

**Long-Lasting Waterproofing** - Extends the lifespan of the roof with natural resistance to moisture, chemicals, UV damage, and aging.

**Strong & Flexible** - Forms a robust, flexible, monolithic membrane that moves with the roof while providing superior protection.

**Fiber Reinforced** - Enhanced with fibers for superior sag resistance, increased tensile strength, excellent crack resistance, and improved weathering for lasting durability.

## 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 @ 77°F (25°C) maximum.

**For Smooth or Mineral Roof Restoration** - Apply Energizer BK at a rate of 6-7 gal./100 sq. ft. (2.4 -2.8 l/m<sup>2</sup>) with Grip Polyester™ Firm embedded within the Energizer BK over the entire roof surface. If granules are to be incorporated, immediately broadcast into the Energizer BK while the coating is still wet. If granules are not applied to the roof surface after Energizer BK is applied, the surface must be coated with an Garla-Brite or Silver- Shield after product cures (at least 30 days after application).

**For Roof Coating** - Apply the Energizer BK at a rate of 3 gal./100 sq. ft. (1.2 l/m<sup>2</sup>) over the entire roof surface. If granules are to be incorporated, immediately broadcast into the Energizer BK while the coating is still wet. If granules are not applied to the roof surface after Energizer BK is applied, the surface must be coated with an Garla-Brite or Silver- Shield after product cures (at least 30 days after 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)

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

Eco-Facts	Energizer BK
<b>VOC</b>	300 g/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.



For additional Energizer documents, scan the QR code above.

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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  $\pm$  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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