



since 1895

B LACK·KNIGHT COLD

PRODUCT DESCRIPTION

Black·Knight Cold is a specially formulated polymer modified, cold-process roofing bitumen. It is a unique blend of refined tars, solvents, rubberized polymers, fibers and fillers which offer improved performance and superior sag resistance. Black·Knight Cold is modified with advanced polymers, enabling improved flexibility and impact resistance over conventional coal tar. Black·Knight Cold is designed to be used as a premium flood coat over hot asphalt or coal tar roofing systems or as a restoration material for gravel surfaced roofs. As a cold applied product, it can be applied by brush, spray, or squeegee as any other conventional, high performance roof coating.

PRODUCT ADVANTAGES

Class A Fire Rated- The Garland Company, Inc. currently has the only Class A Rated, coal tar based, cold-applied, polymer modified roof coating on the market. Over existing or newly constructed, hot applied, modified bitumen or BUR roofs, a Class A fire rating is available. Contact your local Garland Representative for specific approved applications.

Cost Effective- Black·Knight Cold offers superior long-term performance and low maintenance costs. This significantly reduces the life cycle costs associated with the roofing system. The high quality and performance of Black·Knight Cold will save building owners money every year.

A More Environmentally Friendly Coal Tar- Black·Knight Cold eliminates many of the emissions of conventional coal tar due to its cold-applied nature. With the introduction of Black·Knight Cold, there is now a coal tar based product that can be used in environmentally sensitive areas. It has been formulated to meet current environmental regulations for Volatile Organic Compounds.

Cold Application- Garland now maintains the only cold-process, premium, coal tar based protective coating on the market. Black·Knight Cold has a high solids content which enhances it's application characteristics and minimizes the level of solvents.

Resistance to Weathering- A tight molecular structure allows Black·Knight Cold to maintain a natural resistance to water and air. Also, many common chemicals that cause oxidation to the roof's surface are blocked by Black·Knight's unique capabilities.

Self-Healing- Black·Knight Cold has cold-flow properties which allow it to slowly heal hairline cracks and alligating with elevated roof top temperatures. Over the years this process will continue, thus providing the owner with a long term roofing solution by extending the life of the roofing system.

APPLICATION

Black·Knight Cold is to be used as a flood coat over new and existing asphalt and coal tar BUR and Modified Bitumen roofs. Black·Knight Cold can also be used as a premium restoration material for previously graveled roofs. Starting at the low point of the roof, apply Black·Knight to a clean, dry, surface with a notched squeegee, sprayer or brush. Application on new roofs should be at a rate of 4-5 gallons per 100 square feet, application on an existing roof where the gravel has been removed should be at 5-8 gallons per 100 square feet. Four hundred pounds of gravel aggregate should be applied following the coating application. Black·Knight Cold should not be installed on roofs with a slope exceeding 1 1/2:12.

BLACK•KNIGHT COLD

TECHNICAL DATA

Viscosity (cps)	
Brookfield Heliopath, 2.5 rpm.....	120,000
Color.....	Black
Flash Point (ASTM D 93).....	105° F min (40° C)
Solids	
by weight.....	87%
by volume.....	89%
Weight per gallon.....	9.0 lbs (1.07g/cm ³)
Drying time to touch @ 70° F.....	4-6 Hours
Shelf Life.....	1 Year

PRECAUTIONS

- Do not use Black•Knight Cold 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 Contractor Safety Guide, MSDS Sheet or the NRCA's Safety Awareness video
- Black•Knight Cold is not to be used under severely ponded areas
- Do not thin this product
- A warmer should be used when applying at or below 50° F.
- Keep material warm prior to application

COVERAGE

New BUR and modified systems4-5 gal/100 ft ² (1.63-2.03 1/m ²)
Restoration over existing gravel5-8 gal/100 ft ² (2.03-2.45 1/m ²)

PACKAGING

- 5 gallon pails (18.9 l)
- 55 gallon drums (209 l)
- 20 liter pails



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throughout the U.S. and Canada.

Actual roof performance specifications will vary depending on test speed and temperature. Data reflects samples randomly collected. ± 10% variation may be experienced. The above data supersedes all previously published information. Consult your local Garland Representative or the home office for more information.

*Tests verified by independent laboratories.