

# Black-Knight®/Black-Stallion® Mastic



## OVERVIEW & FEATURES

Black-Knight/Black-Stallion Mastic is a cold-applied, trowel grade, coal tar-based polymer modified roofing mastic. Unlike other coal tar-based mastics, Black-Knight/Black-Stallion Mastic is a non-sag coal tar mastic.

This product is designed for the installation of Millennium® flashing systems on both vertical and horizontal surfaces. It can also be used for the installation of roof drains, vent pipes, pitch pockets or wherever a mastic product is required on a Millennium roof system. Black-Knight/Black-Stallion Mastic is also designed to make temporary repairs on any clean built-up or modified roofing surface.

**Coal Tar-Based** - Coal tar provides a natural resistance to moisture, chemicals, ultraviolet radiation and aging. Black-Knight/Black-Stallion Mastic polymer modified formulation combines the inherent water resistance of coal tar with the flexibility of advanced polymer for unmatched durability.

**Uniform Quality** - Black-Knight/Black-Stallion Mastic is factory formulated under rigid quality control conditions to ensure uniform product quality. This eliminates the variables inherent to the job site preparation of roof materials where quality control depends entirely on the individual roofer's expertise.

**Non-Sag** - Black-Knight/Black-Stallion Mastic is specially formulated to not run or sag at normal roof temperatures. Unlike most coal tar mastics, Black-Knight/Black-Stallion Mastic will hold on vertical surfaces.

**Anytime, Anywhere Repairs** - Black-Knight/Black-Stallion Mastic can be applied over any surface in hot or cold weather. It is less sensitive to moisture than similar products available in the market and is plasticized to remain pliable. It is suitable for cold weather application and it adheres to both damp and dry surfaces. The unique formulation provides a smooth workable consistency that reduces application time and cost.

## APPLICATION

**Wall Flashings** - Black-Knight/Black-Stallion Mastic should be applied over dry, clean and smooth surfaces. Dusty surfaces and very smooth surfaces, such as metal, require an initial coat of Black-Knight/Black-Stallion Primer. Black-Knight/Black-Stallion Mastic is designed for trowel applications, simply spread the material as evenly as possible. To assure proper adhesion, it is recommended that part of the mastic application be applied to the back of the membrane being installed as well as the substrate.

Black-Knight/Black-Stallion Mastic should be applied at a rate of 2 - 3 gal./100 sq. ft. (0.82 - 1.22 l/m<sup>2</sup>). Coverage may vary depending on the porosity of the substrate.

When installing the membrane, embed it using constant pressure to assure total adhesion and an even distribution of mastic. The use of a roller to embed the membrane is recommended. Do not apply flashings more than 24 inches above the roof surface.

Although Black-Knight/Black-Stallion Mastic will become heavier bodied at lower temperatures, do not attempt to thin this product. Store containers in a heated area until time of application.

**Repair Material** - Remove any loose dirt, dust and debris using a stiff brush or broom. Replace and/or secure any loose roofing nails. Apply Black-Knight/Black-Stallion Mastic into and over the area to be repaired with a trowel or putty knife. To patch holes or cracks, fill the area with Black-Knight/Black-Stallion Mastic and smooth down the edges. Apply at a rate of 1 gallon per 7 linear ft. @ 8 wide x 1/4 in. deep. No membrane or roofing paper support is required. For improved workability in cold weather, keep Black-Knight/Black-Stallion Mastic in a heated room before use.

Black-Knight/Black-Stallion Mastic is used solely for emergency repairs. All temporary patches must be replaced with recommended repair products or systems as weather permits.

## CLEAN UP

Clean equipment with an approved solvent immediately after use. Use a waterless hand cleaner on skin.

## PRECAUTIONS

- Do not use Black-Knight/Black-Stallion Mastic over rubber or plastic substrates
- Use with 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
- Do not thin
- Do not use where product may come in contact with potable water
- Keep material warm prior to application when at or below 50°F (10°C). Store in a heated warehouse between 70°F-80°F at least 24 hours.
- Exterior use only

# Black-Knight/Black-Stallion Mastic

Technical Data	Black-Knight/ Black-Stallion Mastic
<b>Viscosity (cP) @ 77°F (25°C)</b> Brookfield Heliopath, 2.5 rpm	1-1.5 mm
<b>Flash Point</b> (ASTM D 93)	105°F (40°C)
<b>Typical Solids</b> by weight by volume	87% 75%
<b>Weight per gallon</b>	9.7 lbs. (1.16 g/cm <sup>3</sup> )
<b>Drying Time to touch @ 70°F (21.1°C)</b>	8 Hours
<b>Shelf Life</b>	1 Year
<b>Coverage</b>  Mat Repairs 1/4" thickness (6.3 mm thickness)	5 - 6 sq. ft./gal. (0.12 - 0.15 m <sup>2</sup> /l)
Flashing Repairs 1/4" thickness (6.3 mm thickness)	7 lin. ft./gal. covers 8 in. wide (0.27 m/l covers 20 cm wide)
<b>Packaging</b>	5 gallon (18.9 l) pail

Eco-Facts	Black-Knight/ Black-Stallion Mastic
<b>VOC</b>	200 g/l
<b>Recycled Content Post Industrial</b>	70%

For specific recommendations and coverage rates, please contact your local Garland Representative or Garland Technical Service Department.

Please refer to the product information, Material Safety Data Sheet, and labeling for the potential risks and benefits. Exposure to this product may cause skin and respiratory tract irritation; prolonged skin exposure may result in skin cancer; inhalation of vapors may cause central nervous system effects and long term exposure has been associated with kidney, bladder, scrotum and lung cancer.



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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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