

ARMOUR-GUARD HMBA TACK COAT

High performance, hot melt bitumen adhesive tack coat for enhanced shear adhesion

Armour-Guard® HMBA Tack Coat is a modified hot-melt bitumen adhesive supplied in easy to handle 22.7 kg / 50 lb blocks. It provides excellent adhesion performance and can increase shear adhesion between polymer waterproofing systems and asphalt overlay wearing surfaces.

BASIC USES

Armour-Guard HMBA Tack Coat is part of the Armour-Guard Bridge Deck Waterproofing and Corrosion Inhibition System for the protection of bridge decks and other structures.

FEATURES AND BENEFITS

- High-quality hot-melt bitumen adhesive
- Increases interlayer shear resistance
- Easy to apply
- Heated in a thermostatically-controlled bitumen boiler
- UV and weather resistant
- Requires less heat to achieve usability temperature of 200°C / 392°F

PHYSICAL PROPERTIES*

Property	Test Method	Value
Softening point		90°C to 100°C / 194°F to 212°F
Penetration 0.1 mm		20°C to 30°C / 68°F to 86°F
Flash point	ASTM D92	270°C / 518°F

PACKAGING

22.7 kg / 50 lb shrink wrapped blocks (60 blocks per pallet)

INSTALLATION

Surface Preparation

- The Armour-Guard System to be coated must be dry, clean and free from dust and grease.
- Any membrane coat must be completely cured and tack free.
- For broadcast systems, all loose aggregate or flakes must be thoroughly removed prior to applying Armour-Guard HMBA Tack Coat.

Melting

Armour-Guard HMBA Tack Coat should be broken into small pieces, placed in a bitumen boiler and stirred to prevent local overheating. More can be added until there is sufficient molten adhesive for project size and the bitumen reaches its working temperature of 200°C / 392°F. The use of a thermostatically controlled boiler is recommended to ensure the bitumen is not overheated.

Do not heat Armour-Guard HMBA Tack Coat above 220°C / 428°F.

Application

Armour-Guard HMBA Tack Coat is poured and spread quickly using a rubber squeegee to give a continuous coating on the substrate. Excess bitumen from clean lap finishes etc, which may be contaminated with water and or paste, should not be put back into the boiler for re-heating. Consumption of Armour-Guard HMBA Tack Coat is approximately 0.6 to 1.0 kg/m². Only trained applicators should use hot bitumen. Always wear gloves and suitable personal protection equipment. The techniques involved may require modification to adjust to job-site specific conditions. Consult your Transpo regional manager for further guidance and specific project requirements.

LIMITATIONS/SHELF LIFE

Indefinite when stored in original, closed packaging. Must be stored in cool, dry conditions to prevent product softening.

*The values shown are based on system testing under laboratory conditions. Different field application conditions or lab equipment configurations may result in system value variances.

WARRANTY: The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of either product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product that proves to be defective. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

The value ranges stated above are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

To be used as general guidelines only.

The base language for this technical data sheet is English.

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