

MasterSeal® 725SA Energy

Solar Heat Reflective SBS self-adhesive bitumen waterproofing membrane

DESCRIPTION

MasterSeal 725SA Energy is a solar heat and light reflective self-adhesive waterproofing, elastomeric modified bitumen (SBS), with high mechanical performances, the top surface of the membrane is covered with superior laminated aluminum foil that is corrosion and alkali resistant and the bottom surface with a siliconized release for roof deck application.

Also available membrane with Grey HDPE lamination for below grade application.

It is equipped with stabilized polyester carrier conveying excellent mechanical properties along with great tearing resistance and dimensional stability.

TYPICAL APPLICATIONS

- Flashings to pitched roofs
- As a vapour barrier in both conventional and deck roof systems.
- Exposed roof decks
- Waterproofing, light and heat reflective exposed applications
- Can be applied directly on thermal insulation boards to form a waterproofing, vapour barrier and thermal insulation combined system.
- HDPE laminated membrane for below grade application.

ADVANTAGES

- Cold application, no flame needed for the application; this prevents the risk of fire on roofs with wooden supports
- Simple application without the need for additional tools
- Quick and easy installation
- Very flexible and stable membrane. Facilitates handling and speed during installation
- Extremely easily to apply: it is applied rapidly, cleanly and without the need for special tools
- Easy adherence to the substrate after applying the asphalt primer (suggested solvent based)

- Overlaps are carried out by simple contact and pressure
- No flame needed for the application; it only requires a brush cutter, and rubber roller

PACKAGING AND ROLL SIZES

MasterSeal 725SA Energy is supplied in rolls as follows:

Thickness	1.5mm	2.0mm
Width	1m	1m
Length	15m	15m

APPLICATION GUIDELINES

Substrate must adequately cured, clean and free of losing particles or debris; surface must be primed with **MasterSeal P 700**.

Installation of rolls shall be fully bonded onto the substrate, overlap of head laps must follow water path (avoiding contrary gaps, possible source of water concentration). In case of single-layer system, it is advisable increase head overlapping area up until 15-20 cm.

For roofing applications, the membrane will be terminated on the top by fixing an aluminum flashing or with **MasterSeal 955 FLASHSEAL** tape.

For a double layer system, whether it is fully or partially bonded, the second layer shall be fully bonded to the first layer.

When the membrane is applied on pipes, the joint of the membrane with the pipe shall be sealed with **MasterSeal 621**.

It shall be applied from professional installers. Please contact Master Builders Solutions Construction Chemicals for specific application assistance.

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TYPICAL PROPERTIES*

Characteristics	Test Method	Results
Type of carrier		Glass Fiber
Top surface		Alkali proof Aluminum Foil (A) Grey HDPE Lamination
Reinforcement		50-60gm/m ² Glass fiber (G)
Bottom surface		Siliconised removable paper / foil
Flexibility at low temperature	DIN 52123	≥-20°C
Heat resistance @ 90°C / 2 hours	UEAtc	No flow
Water absorption after 24 hours	ASTM D570	<0.15%
Elongation (L / T) Compound	ASTM D412	>1000%
Tensile strength (L / T) Film	ASTM D638	35 / 32 N/mm
Softening point	ASTM D36	110°C

STORAGE

Store out of direct sunlight, clear of the ground and on pallets. Keep rolls upright on pallets under shade. **MasterSeal 725SA Energy** pallets should not be stacked one over the other.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational Health & Safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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