

MasterSeal[®] 729STR

SBS elastomeric bitumen-based torch-applied waterproofing membrane with anti-root property

DESCRIPTION

MasterSeal 729STR is an elastomeric modified bitumen membrane used for waterproofing roof gardens and green areas. The anti-root compound allows the membrane to resist the piercing force created by the growth of roots. This compound, thanks to its special formula, features an excellent resistance to UV ray ageing and allows the membrane to be walked on during application.

TYPICAL APPLICATIONS

MasterSeal 729STR is used for a wide variety of waterproofing applications where resistance to root penetration, high mechanical stresses and constant movement are required such as:

- Roof gardens & green areas
- Terraces
- Roofing or re-roofing for single or multi-layer systems
- Sloped and flat roofs.

ADVANTAGES

- Excellent resistance to root penetration
- Superior chemical resistance to alkaline solutions, light acidic solutions and bacteria
- Superior thermal resistance under a wide range of temperature fluctuation
- Absolute impermeability to water
- Outstanding performance at high temperature and good at low temperature
- Excellent adhesion to any surface

PACKAGING AND ROLL SIZES

MasterSeal 729STR is supplied in rolls as follows:

Thickness	4mm
Width	1m
Length	10m
Reinforcement	200g/m ²

APPLICATION GUIDELINES

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

Membrane can be either fully bonded or partially bonded onto the substrate when installed as underlayment; when installed as single-layer system it shall be fully bonded onto the substrate.

The membranes applied on the vertical surface shall be protected immediately from ongoing site activities or from sharp aggregates during backfilling with protection board. Please contact Master Builders Solutions Technical Services for proprietary protection board.

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.

To ensure overlap openings do not go against the flow of water, membrane installation shall start on the lowest point and continue towards the highest point of the slope.

MasterSeal 729STR should be applied by suitably qualified, trained contractors. Contact your local Master Builders Solutions Construction Chemicals representative for qualified installers in your region.

MasterSeal® 729STR

TYPICAL PROPERTIES*

Characteristics	Test Methods	Result
Softening point	ASTM D 36	120 °C
Penetration, @ 25°C	ASTM D 5	25-35 dmm
Heat resistance, 2 hrs. @ 100°C	UEATc	No flow
Flexibility at low temperature	DIN 52123	-15 to -20 °C
Water absorption	ASTM 570	<0.4%
MECHANICAL PROPERTIES		
Type of carrier		Spun-bond Polyester Mat
		200g/m ²
Tensile strength (L/T)	UEATc	900 / 700 (N / 5 cm)
Elongation (L/T)	UEATc	45/50%
Tear resistance (L/T)	UEATc	230/245 N
Puncture resistance Static Dynamic	UEATc	L ₄ Static @ 25 kg I ₄ Dynamic @ 9 Joules

In accordance with the standard up to 20% variation is expected.

SURFACE FINISH

The lower surface of the membrane is laminated with a thin thermo-fusible polyethylene 'burn-off' film.

The membrane is available with a wide range of upper surface finish options including different colored slates, aluminum foil, sand and polyethylene film.

STORAGE

All modified bitumen waterproofing membrane should be stored in upright position in dry, flat, ventilated and away from direct sunlight.

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

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NOTE

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