

# MasterSeal<sup>®</sup> 725SA

## SBS self-adhesive bitumen waterproofing membrane for sub-structures and deck application

### DESCRIPTION

**MasterSeal 725SA** is a self-adhesive waterproofing, elastomeric modified bitumen (SBS), with high mechanical performances; top side is covered by black polypropylene film, while bottom side is covered by peel-off siliconized film, halved in the middle, for ease of application.

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

### APPLICATIONS

- Waterproofing of underground walls
- Waterproofing of non-drinkable water tanks
- Flashings to pitched roofs
- Reinforcement of waterproofing on pitched roofs subject to filtering arising from rain and wind, or the accumulation of snow or ice on roofs, especially if low pitched and on gables.
- It can be used either as underlay or reinforcement layer for waterproofing systems with bituminous shingles.
- Capillarity barrier in partially below-ground walls to stop rising water
- As a vapour barrier in both conventional and deck roof systems.

### FEATURES AND BENEFITS

- 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** is supplied in rolls as follows:

Thickness	2.0mm
Width	1m
Length	15m

### CERTIFICATION AND STANDARD

EN13707; EN13969 - 0120 - GB 06/69407;  
EN13970 – 1211 - Tb51261/06e; EN13970 - 1211 - Ta51262/06e;  
EN13859-1 - 1211 - 51-14-0018.

### APPLICATION PROCEDURE

Substrate must adequately cured, clean and free of loose 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 to increase head overlapping area up until 15-20 cm.

The membranes applied on the vertical surface shall be protected immediately from the ongoing site activities or from sharp aggregates during backfilling with a tough, weather, warp and rot proof asphaltic protection board of suitable thickness.

When the membrane is applied on pipes, the joint of the membrane with the pipe shall be sealed with **MasterSeal 620**.

It shall be applied by professional installers. Please contact BASF Construction Chemicals for specific application assistance.

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## TYPICAL PROPERTIES\*

Characteristics	Test Method	Results
External fire performance	EN 1187:2012 / EN 13501-5:2005+A1:2009	Froof
Reaction to fire	EN11925-2:2010 / EN13501-1:2007+A1:2009	E Class
Water tightness	EN 1928-B:2000	Pass (60 kPa/24h)
Impact resistance	EN 12691-A:2006	NPD
Joint shear resistance (L x T)	EN 12317-1:1999	500 / 450 (-20%) N/50mm
Flexibility at low temperature	EN 1109:2013	≤ -25°C
Maximum tensile strength (L x T)	EN 12311-1:1999	500 / 450 (-20%) N/50mm
Elongation (L x T)	EN 12311-1:1999	40 / 40 (-15%)
Resistance to static puncture	EN 12730-A:2015	NPD
Tear strength (nail) (L x T)	EN 12310-1:1999	100 / 100 (-30%) N
Water tightness durability against artificial ageing	EN 1296:2000/EN 1928-B:2000	Pass (≥60 kPa)
Water tightness durability against chemical agents	EN 1296:2000/EN 1847:2009	NPD
Visible defects	EN 1850-1:2001	Pass
Straightness	EN 1848-1:1999	Pass (20 mm / 10 m)
Thickness	EN 1849-1:1999	1.5 - 2.0mm ± 0.2
Water vapour transmission	EN 1931:2000	65,000µ

NE - Not relevant, NPD - No performance determined

## STORAGE

Store out of direct sunlight, clear of the ground and on pallets.

## QUALITY AND RESPONSIBLE CARE

All products originating from BASF Construction Chemicals South Africa are manufactured under a management system independently certified to conform to the requirements of the quality (ISO 9001), environmental and occupational health & safety standards.

\* Properties listed are based on laboratory controlled tests.

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## STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this BASF 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.

## NOTE

Field service where provided does not constitute supervisory responsibility. Suggestions made by BASF either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not BASF, are responsible for carrying out procedures appropriate to a specific application.

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