

MasterSeal[®] 730ST

SBS ELASTOMERIC BITUMEN-BASED WATERPROOFING TORCH-APPLIED MEMBRANE WITH NON-WOVEN POLYESTER FELT REINFORCEMENT

DESCRIPTION

MasterSeal 730ST is elastomeric modified-bitumen waterproofing torch-applied membrane, SBS polymers ensure extraordinary flexibility along with great resistance against atmospheric agents and long lasting durability at environment temperature down to -25°C.

It is equipped with 250gsm dual reinforcement consisting of polyester reinforced and stabilized with fiberglass net. Composite reinforcement avoids phenomenon of lap's pull back, and grants excellent resistance both to puncturing and heavy loads.

APPLICATIONS

- Ideal for general use in the waterproofing of all concrete surfaces such as foundations, basement tanking and roofs.
- Ideal for dress pile caps, tie beams and for the waterproofing of rafts.
- Easily workable around contours and protrusions.
- Spun-bound polyester cores provides good tensile strength, toughness, elongation and puncture resistance.
- Capable of accommodating stresses caused by typical roof expansion and contraction cycles.

FEATURES AND BENEFITS

- Great stability in extremely low temperatures, ideal for applying in winter
- Great elasticity and elongation
- Very good resistance to ageing
- Excellent adherence
- Ideal for deck roofs with oscillating movements

UNDERLAYS

Suitable as underlayment below heavy protection (eg. precast elements and paving slabs).

It comes with double polypropylene film finishing.

PACKAGING AND ROLL SIZES

MasterSeal 730ST is supplied in rolls as follows:

Thickness	4mm
Width	1m
Length	10m

CERTIFICATION AND STANDARDS

EN13707:2013; EN13969:2004 /A1:2006

APPLICATION PROCEDURE

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

Membrane shall be either full bonded or partially bonded onto the substrate when installed as underlayment; when installed as single-layer system shall be full bonded onto the substrate and it is advisable increase head overlapping area up until 15-20 cm.

For below ground applications, 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, **MasterSeal 720PB**, of suitable thickness. When the membrane is applied on pipes, the joint of the membrane with the pipe shall be sealed with **MasterSeal 621**.

For roofing applications, the membrane will be terminated on the top by fixing an aluminum flashing sealing with **MasterSeal 955 FLASHSEAL** tape. Membrane shall be full bonded onto underlay when installed as second layer in double-layer systems. Head laps must follow water path (avoiding contrary gaps, possible source of water concentration).

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

MasterSeal[®] 730ST

TYPICAL PROPERTIES*

Characteristics	Test Methods	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	F Class
Water tightness	EN 1928-B:2000	Pass (≥ 300 kPa)
Maximum tensile strength (L x T)	EN 12311-1:1999	950 / 750 (-20%) N/50mm
Elongation (L x T)	EN 12311-1:1999	45 / 45% (-15)
Root penetration resistance	EN 13948:2007	NPD
Resistance to static puncture	EN 12730-A:2015	≥ 25 kg
Impact resistance	EN 12691-A:2006	≥ 1150 mm
Tear strength (nail) (L x T)	EN 12310-1:1999	300 x 300N (-30%)
Flexibility at low temperature	EN 1109:2013	$\leq -25^{\circ}\text{C}$
Visible defects	EN 1850-1:2001	Pass
Straightness	EN 1848-1:1999	Pass (< 20 mm / 10m)
Thickness	EN 1849-1:1999	4mm \pm 0.2
Dimensional stability	EN 1107-1:1999	$\leq (\pm 0.3 / \pm 0.3\%)$
Heat flow resistance	EN 1110:2010	$\geq 100^{\circ}\text{C}$
Water vapour transmission properties	EN 1931:2000	20,000 μ

NE - Not relevant, NPD - No performance determined

STORAGE

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

NOTE

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local Master Builders Solutions Construction Chemicals representative.

Master Builders Solutions reserves the right to have the true cause of any liability determined by accepted test methods.

QUALITY AND CARE

All products originating from Master Builders Solutions's 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 I ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

* Properties listed are based on laboratory controlled tests.

® Registered trademark of a MBCC Group member in many countries of the world

Master Builders Solutions CC-UAE/SI_730ST_10_16/v2/11_16

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.

NOTE

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

Master Builders Solutions Construction Chemicals UAE LLC
P.O. Box 37127, Dubai, UAE
Tel: +971 4 8090800, Fax: +971 4 8851002
www.master-builders-solutions.ae

Disclaimer: the LRQA mark relates to certified management system and not to the product mentioned on this datasheet

