

# MasterSeal<sup>®</sup> 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.

## TYPICAL 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 provide good tensile strength, toughness, elongation and puncture resistance.
- Capable of accommodating stresses caused by typical roof expansion and contraction cycles.

## ADVANTAGES

- 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

## PACKAGING AND ROLL SIZES

**MasterSeal 730ST** is supplied in rolls as follows:

Thickness	4mm
Width	1m
Length	10m

## STANDARDS

EN13707:2013; EN13969:2004 /A1:2006

## APPLICATION GUIDELINES

Substrate must adequately cure, 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.

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.

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## 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	750 / 625 N/50mm (-20%)
Elongation (L x T)	EN 12311-1:1999	40 / 40% (-15)
Root penetration resistance	EN 13948:2007	NPD
Resistance to static puncture	ASTM E154	850kN
Impact resistance	EN 12691-A:2006	≥1150mm
Tear strength (L x T)	EN 12310-1:1999	275/275
Flexibility at low temperature	EN 1109:2013	≤ -25°C
Visible defects	EN 1850-1:2001	Pass
Straightness	EN 1848-1:1999	Pass (<20mm /10m)
Thickness	EN 1849-1:1999	4mm ± 0.2
Dimensional stability	EN 1107-1:1999	≤ (±0.3 / ±0.3%)
Heat flow resistance	UEAtc -83	100°C
Water vapour transmission properties	EN 1931:2000	20,000μ

NE - Not relevant, NPD - No performance determined

## UNDERLAYS

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

It comes with double polypropylene film finishing.

## STORAGE

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

## 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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