

# MasterSeal<sup>®</sup> 735AT

APP plastomeric bitumen torch-applied membrane with stabilized non-woven polyester felt reinforcement

## DESCRIPTION

**MasterSeal 735AT** is plastomeric modified-bitumen waterproofing torch-applied membrane, with APP polymers which provides high softening point and excellent flexibility, along with great resistance against atmospheric agents and long-lasting durability at environment temperature down to -10°C.

It is equipped with 180gsm dual reinforcement consisting of polyester reinforced and stabilized with fiberglass wires. Stabilized reinforcement grants both high mechanical characteristics and avoids phenomenon of lap's pull back.

## TYPICAL APPLICATIONS

- Ideal for general use in single or multi-layer systems.
- Low slope concrete roofs, balconies, multi-storey car parks, lining sewerage canals
- Sub-grade structures
- Concrete or cemented flat surfaces that require waterproofing

## ADVANTAGES

- High softening point and excellent behavior under high temperatures, making it ideal for application during the summer
- Great flexibility
- Particularly suitable for roofs with slow deformation
- Excellent durability and ageing
- Resistance to extremely high and low temperatures
- Maximum puncturing resistance (static and dynamic)
- High tear resistance
- Good dimensional stability

## UNDERLAYS

Underground structures and roofs with heavy protection or paving

- Underlays have reinforcements with different benefits and with upper side sanded finishing.
- They are not U.V. resistant so they cannot be exposed to weathering after installation.
- It comes with polyethylene film finishing on both sides.

## PACKAGING AND ROLL SIZES

**MasterSeal 735AT** is supplied in rolls as follows:

Thickness	4mm
Width	1m
Length	10m

## STANDARDS

EN13707; EN13969 - 0120 - GB 06/69407;  
 EN13970 - 1211 - 51-08-0011/003-2ec;  
 EN13970 - 1211-Ta51267/06ea

## APPLICATION GUIDELINES

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.

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	EN1187:2012 / EN13501-5:2005+A1:2009	Froof
Reaction to fire	EN11925-2:2010 / EN13501-1:2007+A1:2009	F Class
Water tightness	EN1928-B:2000	Pass (200 kPa/24h)
Maximum tensile strength (L x T)	EN12311-1:1999	700 / 500 (-20%) N/50mm
Elongation (L x T)	EN12311-1:1999	30 / 30 (-15%)
Root penetration resistance	EN13948:2007	NPD
Resistance to static puncture	ASTM E154	600 kN
Impact resistance	EN12691-A:2006	NPD
Tear strength (nail) (L x T)	EN12310-1:1999	200 / 250 (-30%) N
Joint shear resistance (L x T)	EN12317-1:1999	700 / 550 (±20%) N/50mm
Flexibility at low temperature	EN1109:2013	≤ -10°C
Water tightness durability against chemical agents	EN1296:2000/EN1847:2009	NPD
Visible defects	EN1850-1:2001	Pass
Straightness	EN1848-1:1999	Pass (20mm / 10m)
Thickness	EN1849-1:1999	4mm (±0.2%)
Dimensional stability	EN1107-1:1999	≤ (±0.3 / ±0.3%)
Heat flow resistance	UEAtc -83	>100°C
Water vapour transmission properties	EN1931:2000	92,000μ

NPD - No performance determined

## 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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