

MasterSeal 732 AT

APP plastomeric polymer-modified bitumen-based torch-applied waterproofing membrane with non-woven polyester reinforcement

MATERIAL DESCRIPTION

MasterSeal 732 AT is a plastomeric modified bitumen waterproofing membrane (APP), industrially manufactured by impregnation of the reinforcement with the waterproofing compound-based on distilled bitumen modified with polyolefin polymers, which gives to the compound excellent technical characteristics.

The composite reinforcement, made of nonwoven polyester in combination with fiberglass, conveys good mechanical characteristics, excellent dimensional stability and elastic performance. Shaping of sheets, straightness, dimensional and surface uniformity are accomplished by hot calendaring of the mass at hot melt fluid state.

It is a self-protected membrane. The upper surface is coated with coloured slate chips and selvedge slate free at one side for easy welding overlap. The lower surface is coated with a thermofusibile polyolefin film.

FIELDS OF APPLICATIONS

MasterSeal 732 AT is suitable as top layer in multi-layer waterproofing systems, with compatible membranes, or underlayer of discontinuous roofing.

General roofing, on or under floors, wall constructions, under tiles, are valid examples of the design application of this product. It is not suitable for roof gardens.

It can be applied onto every substrate and it is suitable for any climate conditions and all the situations where a barrier against water is required.

METHOD OF INSTALLATION

The thermoplastic properties of the waterproofing compound allow the application with torch-on system or hot air generator. In particular situations, it could be applied with appropriate sealants.

The application of the membrane must be carried in good weather conditions and after the substrate has been adequately cleaned and prepared.

PACKAGING AND STORAGE

The product is packed as standing rolls on wooden pallets wrapped with thermo shrinking protective hoods. Rolls must be stored in the upright position, without stacking the pallets to avoid deformations which can compromise the correct application of the membrane. The product must be stored indoor, protected from heat and frost.

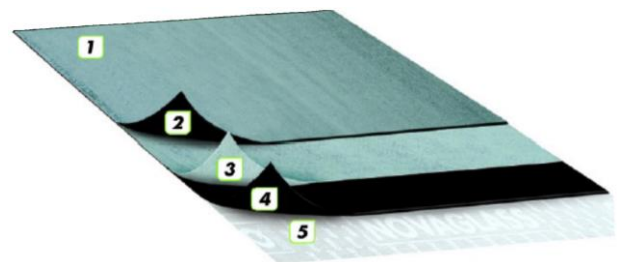
INTENDED USE OR USES

Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing.

Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen basement tanking sheets.

Flexible sheets for waterproofing. Underlays for discontinuous roofing.

1. Mineral protection
2. Waterproofing mass
3. Reinforcement
4. Waterproofing mass
5. Torch-off film



CERTIFICATION AND STANDARD

- EN13707
- EN13969 – 1381-1381-CPR-415
- EN13859 – 1 – 1211 – 51 – 18 - 0003

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INSPECTION AND MAINTENANCE

We recommend inspections are carried out annually to confirm counterflashing, ensure drains are clear of blockages and to observe if any mechanical damage has occurred. Issues should be reported and rectified immediately.

Our MasterSeal Bitumen membrane range is designed to last more than 10 years with the correct maintenance regime in place. Contact your local Master Builders Solutions representative

NOTE

Technical support, where provided, does not constitute supervisory responsibility. For additional information contact your local MB Construction Chemicals Solutions South Africa (Pty) Ltd representative. MB Construction Chemicals Solutions South Africa (Pty) Ltd shall not be liable for technical advice provided.

MB Construction Chemicals Solutions South Africa (Pty) Ltd reserves the right to have the true cause of any difficulty determined by accepted test methods. Undertaking such tests is not, and shall not be deemed to be, an admission of liability or an assumption of any risk, loss, damage or liability.

QUALITY AND RESPONSIBLE CARE

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

* Properties listed are based on laboratory controlled tests.

DISCLAIMER

The technical information and application advice given in this MB Construction Chemicals Solutions South Africa (Pty) Ltd 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.

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TYPICAL PROPERTIES*

	Norm	Value	Unit	Tolerance
Weight	EN1849-1:1999	4,5	(kg/m ²)	±10%
Roll Length	EN1848-1:1999	10	(m)	-1%
Roll Width	EN1848-1:1999	1	(m)	-1%
Straightness	EN1848-1:1999	Passed	-	20mm/10m
Flexibility at low temperature (pliability)	EN1109:2013	-10	(°C)	≤
Heat flow resistance	EN1110:2010	120	(°C)	≥
Watertightness	EN1928-B:2000	100	(kPa)	≥
Watertightness	EN1928-A W1:2000	Passed	(kPa)	≥ kPa/2h
Water vapour transmission properties	EN1931:2000	20.000	(μ)	-
		M.d. C.d.		
Tensile properties: Maximum tensile strength	EN12311-1:1999	500/350	(N/50 mm)	-20%
Tensile properties: Elongation at break	EN12311-1:1999	40/40	(%)	-15
Resistance to tearing (nail shank)	EN12310-1:1999	150/150	(N)	-30%
Dimensional stability	EN1107-1:1999	±0,3/±0,3	(%)	≤
Shear resistance of joints	EN12317-1:1999	500/350	(N/50 mm)	-20%
Resistance to static puncture	EN12730-A:2015	NPD		
Resistance to impact	EN12691-A:2006	NPD		
External fire performance (note 1)	EN1187:2012/EN13501-5:2005 +A1:2009	F _{roof}	Class	-
Reaction to fire	EN11925-2:2010/EN13501-1:20 07+A1:2009	E	Class	-
Root resistance	EN13948:2007	NPD		
Determination of adhesion of granules (Loss)	EN12039:1999	Passed	(%)	<30
Visible defects	EN1850-1:2001	Passed	-	-
Durability: Flexibility at low temperature after artificial ageing	EN1296:2000/EN1109:2013	NPD		
Durability: Flow resistance at elevated temperature after artificial ageing	EN1296:2000/EN1110:2010	110	(°C)	-10
Durability: Watertightness after artificial ageing	EN1296:2000/EN1928-B:2000	Passed	(kPa)	≥60
Durability: Watertightness against chemicals	EN1296:2000/EN1847:2009	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Tensile strength	EN1296:2000/EN12311-1:1999	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Elongation	EN1296:2000/EN12311-1:1999	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Watertightness	EN1296:2000/EN1928-A:2000	W1	Class	-