

# MONOTER

WPBIT0572.c

<b>DESCRIPTION</b>	<p>MONOTER is a elastomeric modified bitumen membrane (SBS), industrially manufactured by semi-impregnation of the reinforcement with the waterproofing compound based on distilled bitumen modified with elastomeric polymers.</p> <p>The reinforcement, made of nonwoven polyester, conveys good mechanical characteristics and elastic performance.</p> <p>Shaping of sheets, straightness, dimensional and surface uniformity are accomplished by hot calendering of the mass at hot melt fluid state.</p> <p>The upper surface presents the polyester reinforcement exposed. The lower surface is coated with thermo-fusible polyolefin film.</p>
<b>FIELD OF APPLICATION</b>	<p>MONOTER is suitable as sliding layer or first separation layer in waterproofing systems or as water vapour shield layer.</p> <p>General roofing, warm roof, 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 (concrete, masonry, wood, insulation panel, membrane, etc.).</p> <p>The excellent mechanical characteristics and high level thermo-dynamic stability make it suitable for any climate conditions.</p>
<b>METHOD OF INSTALLATION</b>	<p>The membrane application must be made without bonding or semi-bonding condition, it could be applied with appropriate sealants or mechanical fastenings.</p> <p>The application of the membrane must be carried in good weather conditions and after the substrate has been adequately cleaned and prepared.</p>
<b>PACKING AND STORAGE</b>	<p>The product is packed as standing rolls on wooden pallets wrapped with thermoshrink 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.</p>
<b>INTENDED USE OR USES</b>	<p>Flexible sheets for waterproofing. Underlays for discontinuous roofing</p>

1. Non-woven polyester
2. Waterproofing mass
3. Torch-off film



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## TECHNICAL DATA

	Norm	Value	Unit	Tolerance
Thickness	EN1849-1	1,5	(mm)	±0,2
Roll length	EN1848-1	20	(m)	-1%
Roll width	EN1848-1	1	(m)	-1%
Straightness	EN1848-1	PASSED	-	20 mm / 10 m
Flexibility at low temperature (pliability)	EN1109	-20	(°C)	≤
Heat flow resistance	EN1110	90	(°C)	≥
Watertightness	EN1928-A W1	PASSED	(kPa)	2 kPa/24h
		M.d. C.d.		
Tensile properties: maximum tensile strength	EN12311-1	950 / 700	(N/50 mm)	-20%
Tensile properties: elongation at break	EN12311-1	40 / 40	(%)	-15
Resistance to tearing (nail shank)	EN12310-1	250 / 300	(N)	-30%
Reaction to fire	EN11925-2/EN13501-1+A1	NPD		
Visible defects	EN1850-1	PASSED	-	-
Durability: Flexibility at low temperature after artificial ageing	EN1296/EN1109	-20	(°C)	+15
Durability: Flow resistance at elevated temperature after artificial ageing	EN1296/EN1110	NPD		
Durability: Watertightness against chemicals	EN1296/EN1847	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Tensile strength	EN1296/EN12311-1	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Elongation	EN1296/EN12311-1	NPD		
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat: Watertightness	EN1296/EN1928-A	W1	Class	-



Base sheet  
in multi-  
layers  
systems