

POLYMER-BITUMEN
WATERPROOFING
MEMBRANES



BPP

magnum

The APP versatile membranes

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THE BRAI APP VERSATILE MEMBRANES



MAGNUM APP membranes represents the ideal solution offered by BRAI for double layer applications on all type of roofs and for retaining walls which ensure a high protection against ascending moisture.

The BRAI long experience and research have leads to the creation of the MAGNUM APP compound, combined with the last generation of reinforcement in non-woven polyester stabilised with glass fibres threads. The result is a versatile membranes with excellent dimensional stability and mechanical properties in this class of pre-fabricated waterproofing torch-on membranes for the most popular applications with the best ratio cost-performances.

MAGNUM membranes can be supplied with top finish in PE film, self-protecting natural or coloured slate chips.

TECHNICAL DATA	u. m.	Pol HR 4 mm Pol HR mineral 45	Pol 3 mm Pol 4 mm	Pol mineral 45	tolerances
Top finish		PE film / mineral chips	PE film	mineral chips	
Roll length (EN 1848-1)	m	10	10	10	-
Roll width (EN 1848-1)	m	1	1	1	-
Thickness (EN 1849-1)	mm	4 / -	3 / 4	-	± 10%
Mass per unit area	kg/m ²	- / 4,5	-	4,5	± 10%
Type of carrier		HR Polyester	Polyester	Polyester	-
Ultimate tensile strenght (EN 12311-1)					
Longitudinal resistance at break	N/5cm	850	500	500	± 20%
Longitudinal elongation at break	%	40	35	35	± 15
Transverse resistance at break	N/5cm	700	400	400	± 20%
Transverse elongation at break	%	40	35	35	± 15
Tearing resistance (EN 12310-1)					
Maximum longitudinal tearing resistance	N	170	140	140	± 30%
Maximum transverse tearing resistance	N	170	140	140	± 30%
Static indentation (EN 12730-1)					
Asbestos-cement slab	Kg	20	10	10	-
30 Kg/cu.m. polystyrene slab	Kg	20	10	10	-
Dynamic impact (EN12691-1)					
Asbestos-cement slab	mm/10 ø	1250	700	700	-
30 Kg/cu.m. polystyrene slab	mm/10 ø	1250	700	700	-
Flexibility at low temperatures (EN 1109)	°C	0	0	0	-
Shape stability to heat (EN 1110)	°C	100	100	100	-
Dimensional stability at high temperature (EN 1107-1)	%	≤ ±0,3	≤ ±0,3	≤ ±0,3	-
Water impermeability (EN 1928 – method A)	-	Pass	Pass	Pass	-
Packaging	sqm / pallet	230 / 250	300/230	270	-

BPP: Bitumen Polymer Plastomer

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Tolerances follow EN 13969 & EN 13707 indications. BRAI s.r.l. reserves the right to modify the data shown on this technical sheet without prior notice. For assistance and information on the correct use of the products please phone +39 07441906412 or send an e-mail to serviziotecnico@brai.it. Website: www.brai.it