

MAGNUM MEMBRANES



MAGNUM APP MEMBRANES REPRESENT 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 led to the creation of the MAGNUM APP compound, combined with the latest generation of reinforcement in non-woven polyester stabilized with glass fibres threads. The result is a versatile membrane 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, sanded & self-protecting natural mineral chips

PROPERTIES	MAGNUM MINERAL 45			CARRIER TYPE	MAGNUM 4MM SANDED			CARRIER TYPE
	Test Method	Unit	Tolerances	STEADY RESISTANCE POLYESTER	Test Method	Unit	Tolerances	HIGH RESISTANCE POLYESTER
				Value				Value
LENGTH	EN 1848 -1	m	± 0,5%	10	EN 1848 -1	m	± 0,5%	10
WIDTH	EN 1848 -1	m	± 1%	1	EN 1848 -1	m	± 1%	1
THICKNESS	EN 1849 -1	mm	± 10%	-	EN 1849 -1	mm	± 10%	4
MASS PER UNIT AREA	EN 1849 -1	Kg/m ²	± 10%	4,5	EN 1849 -1	Kg/m ²	± 10%	-
TENSILE PROPERTIES:MAXIMUM TENSILE FORCE	L EN 12311-1	N/50 mm	±20%	450	EN 12311-1	N/50 mm	±20%	800
	T EN 12311-1	N/50 mm	±20%	350	EN 12311-1	N/50 mm	±20%	700
TENSILE PROPERTIES:ELONGATION	L EN 12311-1	%	±15 abs.	35	EN 12311-1	%	±15 abs.	45
	T EN 12311-1	%	±15 abs.	35	EN 12311-1	%	±15 abs.	45
RESISTANCE TO TEARING	L EN 12310-1	N	±30%	130	EN 12310-1	N	±30%	180
	T EN 12310-1	N	±30%	130	EN 12310-1	N	±30%	180
SHEAR RESISTANCE OF JOINTS	L EN 12317-1	N/50 mm	>=	350	EN 12317-1	N/50 mm	>=	700
	T EN 12317-1	N/50 mm	>=	250	EN 12317-1	N/50 mm	>=	600
PEEL RESISTANCE OF JOINTS	EN 12316-1	N/50 mm	>=	NPD	EN 12316-1	N/50 mm	>=	NPD
RESISTANCE TO IMPACT	EN 12691	mm	>=	700	EN 12691	mm	>=	1250
RESISTANCE TO STATIC LOADING	EN 12730-1	Kg	>=	10	EN 12730-1	Kg	>=	20
DIMENSIONAL STABILITY	L EN 1107-1	%	<=	±0,3%	EN 1107-1	%	<=	±0,3%
	T EN 1107-1	%	<=	±0,3%	EN 1107-1	%	<=	±0,3%
FLEXIBILITY AT LOW TEMPERATURE	EN 1109	°C	<=	0	EN 1109	°C	<=	0
FLEXIBILITY AT LOW TEMP. AFTER ARTIFICIAL AGEING	EN 1296 - EN 1109	°C	<=	NPD	EN 1296 - EN 1109	°C	<=	NPD
FLOW RESISTANCE AT ELEVATED TEMPERATURE	EN 1110	°C	>=	130	EN 1110	°C	>=	130
FLOW RESISTANCE AT ELEVATED TEM. AFTER ARTIFICIAL AGEING	EN 1296 - EN 1110	°C	>=	120	EN 1296 - EN 1110	°C	>=	120
EXTERNAL FIRE PERFORMANCE	EN 13501-5	Class	Pass	F roof	EN 13501-5	Class	Pass	F roof
REACTION TO FIRE	EN 13501-1	Class	Pass	F	EN 13501-1	Class	Pass	F
WATERTIGHTNESS	EN 1928:2000 MET A	kPa	>=	60	EN 1928:2000 MET A	kPa	>=	60