MOPLY N PLUS FP 4 KG

MOPLY N FP 4 KG is a non-self-protected membrane, made of APP plastomeric bitumen with polymer additives, with low temperature plegability of ≥ -10 ºC, reinforced with polyester felt (FP), and finished with a thermally bonded film on both the upper and lower side.

ADVANTAGES

· In the system, it improves the features of the primary membrane in terms of resistance to traction, puncturing, static and dynamic, especially if the primary membrane is reinforced with Polyethylene PE (polyolefins) PE or fibre glass felt FV.
· Replaces the oxyasphalt membrane by providing a less contaminating production process and results in:
- A mastic with plastic features that allow for easy placement and handling.
- Better performance at high temperatures and better flexibility (-10ºC), provides the membrane with a slower ageing process.
· The non-woven, punctured and stable polyester felt (FP) reinforcement, confers the best mechanical properties to the membrane:
- High tensile strength
- Maximum puncturing resistance (static and dynamic)
- Great tear resistance
- Good dimensional stability.

APPLICATION

· Base membrane in multi-layer waterproofing with a membrane equal to or greater than 3 kg from the MOPLY N PLUS line.
· Application as a complementary membrane in single-layer trafficable or non-trafficable systems with heavy protection used with a primary membrane equal to or greater than 4 kg from the MORTERPLAS or MORTERPLAS SBS line.
· This is a complementary membrane for self-protected roof systems used with a primary membrane from the MORTERPLAS MIN or MORTERPLAS SBS MIN line.
· As complementary membranes in green roof systems used with a MORTERPLAS GARDEN MIN primary membrane or a double-layer membrane made of membranes whose top MORTERPLAS FP 4kg GARDEN membrane has anti-root protection.
· As an emergency or auxiliary membrane when provisional waterproofing may be required.
· As a complementary reinforcement membrane for a single or double-layer solution on specific areas of the roof, such as transit areas or machine areas.
· Waterproofing of foundations, basements, etc.
· As a vapour barrier in conventional roofs.

REGULATIONS

· In accordance with the EN 13707 standard. Certified with CE marking No. 0099/CPD/A85/0087
· Voluntary certification of the product with AENOR seal according to the same European standard.
· Quality System in accordance with ISO:9001

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INSTALLATION

· SUPPORT: The surface must be dry, firm, even, clean and free of loose materials.
· It can be applied completely adhered, partially adhered or floating.
· To adhere the membrane to the support, the support is primed with EMUFAL I or EMUFAL L. Once dry, use flame to adhere the membrane.
· The flame is applied as uniformly as possible (the greater the heat, the greater the retraction) along the width of the membrane without reaching the overlap, which will be done later, since it is important that the temperature be the same in every area. The flame should be applied until the anti-adherent film pore opens.
· The membranes are installed in such a way that no more than three membranes overlap at the same point.
· Overlaps are flame-bonded, with a minimum overlap of 8 cm.
· The top membrane must be completely adhered to the bottom membrane, and it must be placed in the same direction and so that the overlap lays approximately in the middle of the bottom membrane.
· Installation and measurements will be conducted in accordance with european regulations and the Texsa application guide.

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PACKAGING AND STORAGE

	MOPLY N PLUS FP 4 Kg	MOPLY N PLUS FP 3 Kg
Kg/m²	4 (–5/+10%)	3 (–5/+10%)
Length (m)	10	13
Width (m)	1	1
m2/roll	10	13
m2/pallet	270	351

Storage: Upright on pallet. Store in the original packaging in a dry and cool place, protected against weathering.

TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	Unit	MOPLY N PLUS FP 4 KG
External fire behaviour	ENV 1187	-	Broof(t1)
Fire reaction	EN 13501-1:2002 (EN ISO 11925-2)	-	E
Watertightness	EN 1928:2000 (B)	-	Pass (10 kPa)
Maximum tensile strength (L x T)	EN 12311-1	N/50 mm	600 ± 200 400 ± 150
Elongation (L x T)	EN 12311-1	%	45 ± 15 45 ± 15
Root penetration resistance	EN 13948	-	NE
Static load resistance	EN 12730 (A)	kg	≥ 15
Impact resistance	EN 12691:2006	mm	≥ 1000
Tear strength (nail) (L x T)	EN 12310-1	N	NE
Joint peel resistance	EN 12316-1	N/50 mm	NE
Joint shear resistance (L x T)	EN 12317-1	N/50 mm	NE
Artificial ageing by long-term exposure to high temperature	EN 1296 12 sem/weeks	EN 1109 / 1110	NE
Artificial ageing by long term exposure to the combination of UV radiation, high temperature and water	EN 1297	EN 1850-1	NE
Flexibility at low temperature	EN 1109	ºC	≤ -10
Hazardous substances	--	--	PND

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OTHER FEATURES

OTHER CHARACTERISTICS	Test Method	Unit	Value
Visible defects	EN 1850-1	-	Pass
Straightness	EN 1848-1	-	Pass (<20 mm/10 m)
Compound per area unit	EN 1849-1	kg/m²	4,00 -5/+10%
Thickness	EN 1849-1	mm	-
Thickness in overlap	EN 1849-1	mm	-
Watertightness after stretching at low temperature	EN 13897	%	--
Dimensional stability	EN 1107-1	%	PND
Form stability under cyclic temperature change	EN 1108	mm	NE
High temperature flow resistance	EN 1110	ºC	≥ 100
Granule adhesion	EN 12039	%	NE
Water vapour transmission properties	EN 1931	µ	20000

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