MOPLY N FP 4 mm

MOPLY N FP 4 mm is an admixed APP plastomeric bitumen-based waterproofing membrane, with a low-temperature flexibility of ⍰ -5ºC, reinforced with polyester felt (FP), and finished with thermofusible film on both sides.

ADVANTAGES

• MOPLY N FP is manufactured with an APP plastomeric compound, which confers the following properties to the membrane:
- Great toughness.
- Good low temperature pliability.
- Great resistance against atmospheric agents and a maximum guarantee of durability.
- High softening point; it is a tough membrane, with high temperature resistance and easy application even in hot weather.

• The punched and stable non-woven polyester felt (FP) reinforcement confers the best mechanical properties to the membrane:
- High tensile strength.
- Maximum puncturing strength (static and dynamic).
- Great tear strength.
- Good dimensional stability.

APPLICATION

Suitable for most waterproofing slope roofing applications.
MOPLY N FP is applied in a multiple-ply system on non-trafficable roofs and roofs allowing foot traffic, with a pitch of between 1% and 15%. On slopes exceeding 5%, the membrane must be fully bonded to the substrate. It is specially recommended for applications where a stable membrane with good mechanical properties: high tensile and puncturing strengths, is required
MOPLY FP 4 Kg can be applied in either a single- or two-ply systems.
It must be protected by a heavy topping or with a self-protected membrane

REGULATIONS

• According to EN 13707 European standard. Certified under CE Nº 0099/CPR/A85/0087
• Quality Management system according to ISO:9001 standard.

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INSTALLATION

• SUBSTRATE: the substrate receiving the membrane must be dry, firm, even, clean and free from badly adhered materials.
• The membrane can be applied either fully bonded, partially adhered or loose-laid. Prior to adhering the membrane to the substrate, the latter must be primed with either PIBIAL, EMUFAL I or EMUFAL L. Once dry, the membrane is torched on
• In the two-ply system, the membranes must be fully bonded to each other, and on self-protected roofs (without heavy topping) the base membrane must always be adhered to the substrate.
• 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. Overlaps are also flame-bonded, with a minimum width of 8cm.
• The membranes are installed in such a way that no more than three membranes overlap at the same point.

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PACKAGING AND STORAGE

	MOPLY N FP 3 mm	MOPLY N FP 4 mm
Kg/m²	--	--
Thickness (mm)	3,00 ± 0,2	4,00 ± 0,2
Length (m)	11	10
Width (m)	1	1
m2/roll	11	10
m2/pallet	275	200

Storage: Upstand. Sheet must be store into its original packaging until it have been used, protected against weathering, indoors in a ventilated area.

TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	Unit	MOPLY N FP 4 MM
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	550 ± 200 350 ± 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	≥ 10
Impact resistance	EN 12691:2006	mm	≥ 700
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	300 x 300 ± 150
Artificial ageing by long-term exposure to high temperature	EN 1296 12 sem/weeks	EN 1109 / 1110	NPD
Artificial ageing by long term exposure to the combination of UV radiation, high temperature and water	EN 1297	EN 1850-1	NPD
Flexibility at low temperature	EN 1109	ºC	≤ -5
Hazardous substances	--	--	PND

OTHER FEATURES

OTHER CHARACTERISTICS	Test Method	Unit	Value
Visible defects	EN 1850-1	-	Pass
Straightness	EN 1848-1	-	

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