MOPLY N FV 2 mm

MOPLY N FV 2 MM is an admixed APP plastomeric bitumen-based waterproofing membrane, with a low-temperature flexibility of -5ºC, reinforced with glass fibre veil (FV), and finished with thermofusible film on both sides.

ADVANTAGES

• MOPLY FV 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 glass fibre veil (FV) reinforcement confers maximum dimensional stability to the membrane.

APPLICATION

Suitable for most waterproofing slope roofing applications.
MOPLY N FV is applied in a multiple-ply system on non-trafficable roofs and roofs allowing foot traffic as base sheet, with a pitch of between 1% and 15%. On slopes exceeding 5%, the membrane must be fully bonded to the substrate.
Does not required a heavy protection on top of it.

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 or loose-laid, depending on the system and slope. 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.
• Prior to adhering the membrane to the substrate, the latter must be primed with either PREJUNTER HD-1, PIBIAL or EMUFAL I.
• Once dry, the membrane is torched on. Overlaps are flame-bonded, with minimum 8-cm width.
• 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 FV 2 mm	MOPLY N FV 3 mm	MOPLY N FV 4 mm
Kg/m²	--	--	--
Thickness (mm)	2,00 ± 0,2	3,00 ± 0,2	4,00 ± 0,2
Length (m)	15	11	8
Width (m)	1	1	1
m2/roll	15	11	8
m2/pallet	405	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 FV 2 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	350 ± 100 250 ± 100
Elongation (L x T)	EN 12311-1	%	NPD
Root penetration resistance	EN 13948	-	NE
Static load resistance	EN 12730 (A)	kg	NPD
Impact resistance	EN 12691:2006	mm	NPD
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	≤ -5
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	--
Thickness	EN 1849-1	mm	2 ±0,2
Thickness in overlap	EN 1849-1	mm	-
Watertightness after stretching at low temperature	EN 13897	%	--
Dimensional stability	EN 1107-1	%	NE
Form stability under cyclic temperature change	EN 1108	mm	NE
High temperature flow resistance	EN 1110	ºC	≥ 70
Granule adhesion	EN 12039	%	NE
Water vapour transmission properties	EN 1931	μ	20000

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