

Product Technical Information

ITA / ATEXP / 573

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Revision 2 – 16/02/10

MONARPLAN FM 1.5

DESCRIPTION AND SCOPE OF APPLICATION

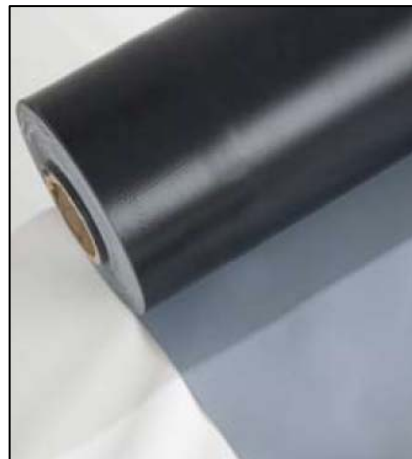
PVC-P flexible roofing membranes used in flat and sloped roof.

Monarplan FM is being used in mechanically fixed roof systems, for flat and sloped roof over building.
Connections are made with structural elements of rigid PVC or with metal plate coated with PVC sheeting (plasticized).

Monarplan FM can be welded by hot air (preferred method) or THF solvent (fluid).

Monarplan FM 1.5 is UV resistant.

Conform to European standard EN 13956 and Agreement UEAtc and EOTA certification.



COMPOSITION

Material	PVC-P, not bitumen resistant. Flame retardant.
Reinforcement	Non-woven Polyester, non wick, coated


DIMENSIONAL CHARACTERISTICS

	Nominal value	Critical value
Thickness (mm)	1,5	1.43
Weight (g/m ²)	1950	1853
Width (cm)	212/150/106	
Length (m)	20 or 15	
Colour	top : mouse grey (652, RAL 7001)	

PERFORMANCES

KIND OF TESTS	Reference Norm	Units	Nominal values
Tensile strength	EN 12311-2	N/50mm	≥ 1210
Elongation at break	EN 12311-2	%	≥ 15
Nail tear strength	EN 12310-1	N	> 500
Tear strength	EN 12310-2	N	> 250
Peel strength overlap	EN 12316-2	N/50mm	≥ 185
Tensile strength overlap	EN 12317-2	N/50mm	≥ 800 or break outside joint
Low temperature flexibility	EN 495-5	°C	≤ -35
Dimensional stability 6h at 80°C	EN 1107-2	%	≤ 0,5
UV ageing	EN 1297 (UV-A) / EN 495-5	After 1000hrs	≤ -35
Heat ageing 6 months at 70°C	EN 1296 / EN 495-5	°C	≤ -35
Reaction to fire	EN 13501-1		Class E

ISO 9001 REFERENCE DOCUMENT

Our company has been awarded the ISO 9001 certificate for all its establishments in France	
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