

Product Technical Information

ITA / ATEXP / 606

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Revision 0 – 16/02/10

MONARPLAN TPO 1.5

DESCRIPTION AND SCOPE OF APPLICATION

TPO flexible roofing membranes used in flat and sloped roof.

Monarplan TPO 1.5 is being used in mechanically fixed roof systems, for flat and sloped roof over buildings for which normal outdoor and indoor conditions apply.

Specially intended for roofs with accessibility class R2 and R3.

Connections are made with structural elements of rigid PP or PE.

Conform to European standard EN 13956.

FPC certified according to EN 13956, certificate n° DK-034, by notified body INTRON 0958.

COMPOSITION

Material	TPO Flame retardant.
Reinforcement	Non-woven Polyester, non wick, coated


DIMENSIONAL CHARACTERISTICS

	Nominal value
Thickness (mm)	1,5
Weight (g/m ²)	1600
Width (cm)	212/150/106/75
Length (m)	20 or 15
Colour	top : standard grey (657, RAL 7001) back : standard grey (657, RAL 7001)

PERFORMANCES

KIND OF TESTS	Reference Norm	Units	Nominal values
Tensile strength	EN 12311-2	N/50mm	≥ 1150
Elongation at break	EN 12311-2	%	≥ 15
Nail tear strength	EN 12310-1	N	> 325
Tear strength	EN 12310-2	N	> 400
Peel strength overlap	EN 12316-2	N/50mm	≥ 185
Tensile strength overlap	EN 12317-2	N/50mm	≥ 80% initial outsider 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
External fire performance	EN 13501-5/ENV 1187-1		Broof T1
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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