PRODUCT TECHNICAL DATA SHEET

ITALIANA® MEMBRANE
MEMBER OF TECHNONICOL CORPORATION

TROPICAL P
TROPICAL P MINERAL

- 5°C

Characteristics	Norms	U.M.	Test risults		Tolerance
			TROPICAL P	TROPICAL P MINERAL	
Norms	/	/	EN 13707	EN 13707	/
Compound	/	/	BPP - Plastomeric bitumen	BPP - Plastomeric bitumen	/
Reinforcement type	/	/	Polyester	Polyester	/
Upper surfacing	/	/	Sand	Slate chips	/
Lower surfacing	/	/	Film PE	Film PE	/
Type of application	/	/	SS-Underlayer	SF-Top layer	
Method of application	/	/	Torch	Torch	/
Visible defects	EN 1850-1	-	Pass	Pass	/
Length	EN 1848-1	m	≥ (10 -1%)	≥ (10 -1%)	/
Width	EN 1848-1	m	≥ (1 -1%)	≥ (1 -1%)	/
Straightness	EN 1848-1	-	Pass	Pass	/
Weight	EN 1849-1	kg/m2	/	4,0 - 4,5	± 10 %
Thickness	EN 1849-1	mm	3 - 4	/	- 0,2
Watertightness (metodo B)	EN 1928:2000	-	Pass	Pass	/
External fire performance	EN 13501-5	-	F roof	F roof	/
Reaction to fire	EN 13501-1	-	EUROCLASS F	EUROCLASS F	/
Shear resistance of joint - heat lap - side lap	EN 12317-1	N/50 mm	 350 250	 350 250	- 20%
Tensile properties -maximum longitudinal tensile strength -maximum transversal tensile strength - longitudinal elongation - transversal elongation	EN 12311-1	 N/50 mm N/50 mm % %	 400 300 35 40	 400 300 35 40	 - 20% - 20% - 15 abs - 15 abs
Resistance to impact	EN 12691	mm	700	700	/
Resistance to static loading	EN 12730	kg	10	10	/
Resistance to tearing (nail shank) - longitudinal - transversal	EN 12310-1	N	 130 130	 130 130	- 30%
Dimensional stability	EN 1107-1	%	≤ 0,3	≤ 0,3	/
Flexibility at low temperature	EN 1109	°C	- 5	- 5	/
Flow resistance at elevated temperature	EN 1110	°C	120	120	/
Artificial ageing by long term exposure to elevated temperature	EN 1296 + EN 1110	°C	110	110	- 10°C
Adhesion of granules	EN 12039	Loss %	/	< 30	/
Water vapour transmission properties	/	-	μ = 20.000	μ = 20.000	/

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TECHNONICOL ITALIA srl reserves the right to modify the technical data in this specification sheet which is based on current production without prior warning.
All indications in this specification sheet are based upon our experience and current working practices.

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