

Monarperm TP 140

Preliminary

Application:

Monarperm TP 140 is a breathable a breathable for discontinuous roofing for used in application on pitched roofs over rafters in ventilated and not ventilated roof constructions.

Properties:

Monarperm TP 140 is a laminated 3 layers product. It is air tight membrane and has low Sd value and has water tightness class W1.

Product data				
Built-up Top side Middle Bottom side	PP non woven UV stable TPE Black UV stable layer PP non woven UV stable			
Colour	Black			
Application	Underlay for discontinuous roofing Underlay for walls			
Technical data	Unit	Value	Tolerance	Test method
Weight	g/m ²	140	± 5%	
Length	m	50,00	+1% -0%	EN 1848-2
Width	m	1,50	+1% -1%	EN 1848-2
Tensile strength	N/50 mm	> 220 (MD)		EN 12311-1
		> 150 (TD)		EN 12311-1
Elongation	%	> 45 (MD)		EN 12311-1
		> 50 (TD)		EN 12311-1
Nail tear resistance	N	> 110 (MD)		EN 12310-1
		> 120 (TD)		EN 12310-1
Dimensional stability	%	< 1 (MD)		EN 1107-2
		< 1 (TD)		EN 1107-2
Cold bend	°C	-40		EN 1109
Sd value*	m	0,1	± 0,05	EN 12572 Method C
Water tightness*	Class	W1		EN 1928 Method A
Resistance to air penetration	m ³ /(m ² h)	0,000		EN 12114
Fire classification	Class	F		EN 13501-1
Ageing after EN 1297 & EN 1296				
Tensile strength	N/50 mm	(MD)		EN 12311-1
		(TD)		EN 12311-1
Elongation	%	(MD)		EN 12311-1
		(TD)		EN 12311-1
Water tightness	Class			EN 1928 Method A
Classification	Underlay for discontinuous roofing – EN 13859-1			
			Manufacturer : Monarflex s.r.o. Továrenská 1 94303 Stúrovo Slovakia	

*internal test result