


Monarperm TP 140R

Application:

The Monarperm TP140R product is a breathable underlay for discontinuous roofing for used in application on pitched roofs over rafters in ventilated and not ventilated roof constructions.

Properties:

The Monarperm TP140R is a 4 layers product. It has a low SD value and good isotropic mechanical properties.

Product data				
Built-up	PP non woven UV stable			
Top side	TPEE Black UV stable layer			
Middle	PET 12x12mm 1100 dtx reinforce grid			
Middle	PP non woven UV stable			
Bottom side				
Colour	Black			
Application	Underlay for discontinuous roofing			
Technical data	Unit	Value	Tolerance	Test method
Weight	g/m ²	130	±5 %	EN 1849-2
Length	m	50,00	+1% -0%	EN 1848-2
Width	m	1,50	-0,5% -1,5%	EN 1848-2
Tensile strength	N/50 mm	430 (MD)	±30	EN 12311-1
		330 (TD)	±30	EN 12311-1
Elongation	%	30 (MD)	±5	EN 12311-1
		25 (TD)	±5	EN 12311-1
Nail tear resistance	N	210 (MD)	±30	EN 12310-1
		190 (TD)	±30	EN 12310-1
Dimensional stability	%	< 1 (MD)		EN 1107-2
		< 1 (TD)		EN 1107-2
Cold bend	°C	-40		EN 1109
Sd value	m	0,15	±0,05	EN 12572
Water tightness	Class	W1		EN 1928 Method A
Fire classification	Class	F		EN 13501-1
Ageing after EN 1297 & EN 1296				
Tensile strength	N/50 mm	400 (MD)	±30	EN 12311-1
		310 (TD)	±30	EN 12311-1
Elongation	%	27(MD)	±5	EN 12311-1
		25(TD)	±5	EN 12311-1
Water tightness	Class	W1		EN 1928 Method A
Classification	Underlay for discontinuous roofing – EN 13859-1			
			Manufacturer : Monarflex s.r.o. Továrenská 1 94303 Stúrovo Slovakia	
			13	