

Monarperm TP Ultra

Preliminary

Application:

The Monarperm TP Ultra product is a breathable underlay for discontinuous roofing for used in application on full boarded pitched roofs constructions.

Properties:

The Monarperm TP Ultra is a 3 layers product. It has a low SD value and good isotropic mechanical properties. In addition the product is Fire Retardant Class E membrane. The overlap can be welded by hot air.

Product data				
Built-up	TPE Black UV stable layer			
Top side	PES fleece			
Middle	TPE Black UV stable layer			
Bottom side				
Colour	Black			
Application	Underlay for discontinuous roofing			
Technical data	Unit	Value	Tolerance	Test method
Weight	g/m ²	330	± 5%	
Length	m	30,00	+1% -0%	EN 1848-2
Width	m	1,50	+1% -1%	EN 1848-2
Tensile strength	N/50 mm	> 400 (MD)		EN 12311-1
		> 450 (TD)		EN 12311-1
Elongation	%	> 60 (MD)		EN 12311-1
		> 80 (TD)		EN 12311-1
Nail tear resistance	N	> 350 (MD)		EN 12310-1
		> 400(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	0,2	±0,05	EN 12572 Method C
Water tightness*	Class	W1		EN 1928 Method A
Resistance to air penetration	m ³ /(hxm ² x50 Pa)	0,000		EN 12114
Fire classification	Class	E		EN 13501-1
Ageing after EN 1297 & EN 1296				
Tensile strength	N/50 mm			EN 12311-1
				EN 12311-1
Elongation	%			EN 12311-1
				EN 12311-1
Water tightness	Class			EN 1928 Method A
Classification	Underlay for discontinuous roofing – EN 13859-1			
			Manufacturer : Monarflex s.r.o. Továrnská 1 94303 Stúrovo Slovakia	
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*internal test result