

# Monarperm 500


PRELIMINARY

## Application:

The Monarperm 500 product is a breathable underlay for discontinuous roofing for used in application on pitched roofs over rafters in ventilated and not ventilated roof constructions or as underlay for walls.

## Properties:

The Monarperm 500 is a 3 layers product with low SD value and good isotropic mechanical properties. The product is ageing resistant to UV and heat according to the EN 13859-1 standard.

Product data	Monarperm 500			
Built-up Top side Middle Side Bottom side	PP non woven UV stable PP microporous film UV stable PP non woven UV stable			
Colour	Anthracite grey / Light grey			
Weight	100 g/m <sup>2</sup> - 5% / +10%			
Application	Underlay for discontinuous roofing			
Technical data	Unit	Value	Tolerance	Test method
Length	m	50,00	+1% -0%	EN 1848-2
Width	m	1,00 1,50	+1% -0,5%	EN 1848-2
Tensile strength	N/50 mm	190 (MD) 140 (TD)	± 40 ± 30	EN 12311-1 EN 12311-1
Elongation	%	70 (MD) 60 (TD)	± 30 ± 30	EN 12311-1 EN 12311-1
Nail tear resistance	N	105(MD) 110 (TD)	± 30 ± 30	EN 12310-1 EN 12310-1
Dimensional stability	%	< 3 (MD) < 3 (TD)	- -	EN 1107-2 EN 1107-2
Cold bend	°C	-30	-	EN 1109
Sd value	m	0,04	±0,02	EN 12572 Method C
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	140 (MD)* 110 (TD)*	±30 ±30	EN 12311-1 EN 12311-1
Elongation	%	65* 55*	±20 ±30	EN 12311-1 EN 12311-1
Water tightness	Class	W1*		EN 1928 Method A
Classification	Underlay for discontinuous roofing – EN 13859-1			
			Manufacturer : Icopal Siplast 12 rue de la Renaissance FR-92184 Antony Cedex France	Distributor : Monarflex s.r.o. Továrenská 1 SK-94303 Stúrovo Slovakia
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\* Values to be confirmed by notified body. Product is undergoing testing.