



EN 13859-1:2010 Flexible sheets for waterproofing  
Part 1: Underlays for discontinuous roofing.  
EN 13859-2:2010 Flexible sheets for waterproofing  
Part 2: Underlays for walls.  
Declaration of performance no. 24/2016

50m x 1,5m = 75m<sup>2</sup>

INFO: (GB) Roof underlay

VPU 150M

Membrane **mdm**<sup>®</sup>

# Ventia 120



Manufacturer: mdm NT Sp. z o.o.

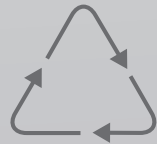
ul. Bestwińska 143 • 43-346 Bielsko-Biała • Poland • www.mdmnt.com

Applies for use in applications where:

- the ceiling is well sealed
- roof ridge height is not greater than 15 metres
- roof pitch is between 12.5° and 70°
- site altitude is not greater than 100m above sea level
- no significant site topography is present



waterproof



water vapour permeability



resistance to extreme temperatures



laboratory quality control

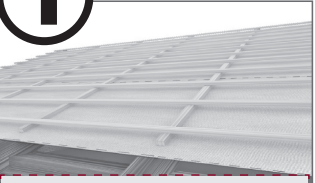
Product	Identification	Manufacturer	Website	Batten gauge	Declared wind uplift resistance $p_D$ (N/m <sup>2</sup> )	Zone suitability	Wind zone map	Taped laps [yes/no]	Integral sealed [yes/no]	Counterbat-tens (width and depth in mm) [yes/no] (Example: 50 mm x 12,5 mm)
Ventia 120	LR	MDM NT	mdmsa.com							
				≤ 345 mm	1 196	1 to 3		YES	NO	NO
				≤ 250 mm	2 501	1 to 5		YES	NO	NO
				≤ 100 mm	> 1 196	1 to 5		YES	NO	NO

12.07.2018

Membrane **mdm**<sup>®</sup>


# Ventia 120

**1**




**mdm®Ventia** is placed directly over the rafters on the insulating material. Draped horizontally over the entire roof surface.

**2**



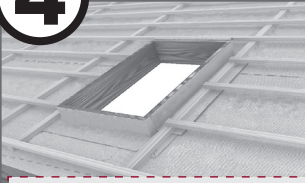
The overlap at the ridge should be at least 20 cm.

**3**








Overlap the **mdm®Ventia** sheeting by 15 cm (red guide line). Overlap by at least 20 cm with a pitch of under 22°.

**4**

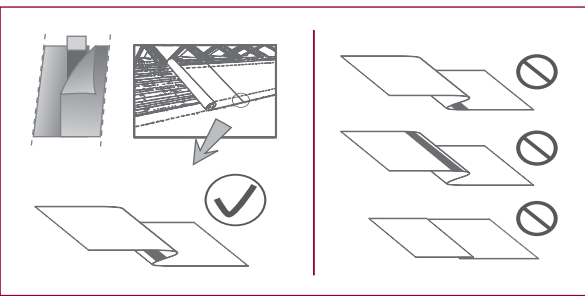



Seams, overlaps, butt joints and damage to **mdm®Ventia** can be masked with **mdm®Ventia** adhesive tape. Connections to other substrates - e.g. masonry - should be made with silicon or selfadhesive butyl tapes.

\* concerns average yearly radiation in the Central European climate

				
UV resistance: 3 months	The product should be stored indoors	Should be stored away from the heat source and fire	Should be stored in dry, covered areas, sheltered from the sun	Do not expose to weather conditions.

Always avoid spilling motor oil on roof underlay (i.e. from chain saw) and prevent from contacting the membrane with impregnated boards still wet from wood preservatives as it may cause serious damage to the roof underlay.



		
Notified body: 1023, 1486		
Manufacturer: mdm NT sp. z o.o. • ul. Bestwińska 143 • 43-346 Bielsko-Biala • Poland		
Declaration of performance: 24/2016		
EN 13859-1:2010    EN 13859-2:2010		
Membrane <b>mdm</b> <sup>®</sup> Ventia 120		
The intended use	Flexible sheets for waterproofing- underlays for discontinuous roofing and wall cladding	
Reaction to fire	Class E-d2	
Dangerous substances	none	
Flexibility at low temperature (pliability)	-40°C	
Water vapour resistance, Sd	0,02 m (+0,020/-0,005)	
<b>Resistance to water penetration</b>		
before artificial ageing	<b>W1</b>	
after artificial ageing	<b>W1</b>	
<b>Tensile strength</b>		
	MD	CD
before artificial ageing	245 N/50 mm (± 45)	175 N/50 mm (± 45)
after artificial ageing	210 N/50 mm (± 45)	150 N/50 mm (± 45)
<b>Elongation</b>		
	MD	CD
before artificial ageing	50% (± 25)	60% (± 25)
after artificial ageing	30% (± 20)	40% (± 20)
<b>Resistance to tearing</b>		
	MD	CD
	130 N (± 30)	140 N (± 30)
average values		

<b>Description of product</b>	
Weight	120 g/m <sup>2</sup> (± 10)
Thickness	0,55 mm
Dimensions	1,5 m x 50 m
Material	Polypropylene
Composition	3
Temperature resistance	from -40°C to +80°C
<b>Water vapour permeability</b>	
Lyssysystem 23°C/85%RH	1400 g/m <sup>2</sup> x 24h (± 200)
Lyssysystem 38°C/85%RH	3200 g/m <sup>2</sup> x 24h (± 400)