

VARIO KM Duplex UV Climate Membrane

Parameter	Typical performance values		
Application/Intended use			
	Used as a vapour retarder and airtight barrier in ventilated and non-ventilated roofs and walls, in conjunction with suitable adhesive tape, sealing tape, sealant and joint sealing strip.		
Material/Specification			
Material	Modified fabric-reinforced polyamide faced with a special polypropylene fabric.		
Membrane thickness	Approx. 0.2 mm.		
Mass per unit area	Approx. 80 g/m ² .		
Contents/ Packaging	Width	Length	Pack
	m	m	m ²
	1.5	40	60
Technical performance			
Fire resistance	Euroclass E (normally flammable) in accordance with DIN 13984.		
Water vapour permeability	Approx. 109.7 g/m ² d to 6.6 g/m ² d in accordance with EN 12572.		
Resistance to water penetration	Class W1 in accordance with EN 13984.		
Diffusion-equivalent air layer thickness (s_d value)	<p>Variable: 0.3 m ≤ s_d ≤ 5.0 m (depending on the moisture level) in accordance with EN 12572.</p> <p>The variable s_d value of ISOVER VARIO KM Duplex UV can only be determined using a dynamic calculation programme (e.g. WUFI). When using a static calculation method (e.g. the Glaser method), the Fraunhofer Institut Holzkirchen has laid down that a fixed s_d value of 2.5 m can be expected for and ISOVER VARIO KM Duplex UV.</p>		
Maximum tensile strength	≥ 110 N/50 mm in accordance with EN 13984.		
Nail tear resistance	≥ 50 N in accordance with EN 13984.		
UV resistance	<ul style="list-style-type: none"> • Direct exposure: 3 months • Behind glazing (indoors): at least 18 months 		
Temperature range	- 40°C to + 80°C.		
Patented aroma tightness	Protects the inside of buildings against toxic gases emanating from wood preservatives used in old buildings (European Patent 821755).		

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The product applications described in this data sheet cannot take the special circumstances of individual cases into account. Therefore carry out sufficient tests to ensure our products are suitable for the intended application. Please contact our ISOVER Technical Team if you have any questions.

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