

Technical Datasheet



DELTA®-REFLEX

Reinforced and reflective air and vapour barrier

Characteristics	Methods	Values	Units
Description			
Application	-	Reinforced and reflective air and vapour barrier for pitched roofs or wooden frame constructions. To be placed below the insulation layer.	-
Material	-	Watertight, corrosion-free embedded aluminium layer between a highly transparent polyester film and a mesh-reinforced polyethylene film.	-
Weight	EN 1849-2	approx. 180	g/m ²
Thickness	EN 1849-2	approx. 0,25	mm
Straightness	EN 1848-2	< 75	mm / 10 m
Density	EN 1849-2	approx. 1.100	kg/m ³
Coefficient of thermal conductivity	-	approx. 17	W/m.K
Thermal capacity	-	approx. 1.000	J/kg.K
Watertightness			
Resistance to water penetration	EN 1928	W1	-
Water vapour transmission			
Sd-value	EN ISO 12572	approx. 150	m
Diffusion resistance factor μ	-	600.000	-
Water vapour transmission	EN ISO 12572	approx. 0,0006	g/m ² .h.mmHg
Mechanical properties			
Tensile strength MD / CD	EN 12311-1	> 450 / > 400	N/5 cm
Elongation at break	EN 12311-1	15 / 10	%
Tear resistance	EN 12310-1	> 350 / > 350	N
Exposure to liquid chemicals – alkali (tensile strength after ageing)	EN 1847 / EN 12311-1	pass	-
Additional characteristics			
Fire resistance	EN 13501-1	E	-
Calorific value		< 10.500	kJ/m ²
Service temperature range	-	- 30 to +80	°C
CE conformity	EN 13984	yes	-
Accessories	DELTA®-MULTI BAND (universal adhesive tape – roll 60 mm x 25 m), DELTA®-TIXX (sealing compound for airtight connection of vapour barrier sheet to brick walls – cartridge 310 ml), DELTA®-FLEXX BAND (stretchable connecting and sealing tape for dormer windows, soil pipes and cables – roll 100 mm x 10 m)		
Dimension	-	1,5 x 50	m
Roll weight		13,5	kg
Palettizing		40	Rolls