

TECHNICAL DATA SHEET

METALLISED VAPOUR BARRIER MEMBRANE STROTEX AL 180

STROTEX AL 180 is the multilayer film consisting of one layer of metallized polypropylene film, polypropylene mesh and polyethylene film. The film **STROTEX AL 180** is designed to perform vapor barrier in the construction of roofs. The metallised layer reflects thermal radiation, preventing heat loss. Product is insulating barrier to water vapor and the wind. Such membranes can be used in all ventilated and non-ventilated roofs.

Characteristic		Method test	Unit	Declared value
Dimensions	Wigth*	EN 1848-2	m	1,5 ± 0,5%
	Length of the roll*		m	50 (-0/+2%)
Mass per unit area		EN 1849-2	g/m ²	180 ± 10%
Reaction to fire		EN ISO 11925-2	-	Class E
Water tightness (2 kPa)		EN 1928	-	Conforming
Water tightness after artificial ageing		EN 1296 EN 1928	-	Conforming
Resistance to tearing	in longitudinal direction	EN 12310-1	N	≥150
	in transverse direction		N	≥150
Maximum tensile stress	in longitudinal direction	EN 12311-2	N/50mm	≥280
	in transverse direction		N/50mm	≥200
Elongation	in longitudinal direction		%	≥12
	in transverse direction		%	≥7
Water vapour resistance		EN 1931	m ² sPa/kg	5,1*10 ¹¹ ± 40%
Water vapour transmission properties (Sd)		EN 1931	m	70 ± 30%
Temperature range		-----	°C	-30 ÷ 70
Chemical durability		EN 1847	-	Conforming
Joint strenght		EN 12317-2	N/50mm	≥150
Resistance to impact		EN 12691	mm	≥500
Dangerous substances		-----		NPD

* or as agreed with the customer

Mechanical fixing permitted provided the use of special self-adhesive sealing tape.