

VAPOR NET 180

VAPOUR CONTROL MEMBRANE WITH REINFORCEMENT GRID



COMPOSITION

- top layer
non-woven PP fabric
- reinforcing layer
reinforcing PP grid
- middle layer
PE vapour control film
- bottom layer
non-woven PP fabric

TECHNICAL DATA

Properties	standard	value	value
Mass per unit area	EN 1849-2	180 g/m ²	0.59 oz/ft ²
Thickness	EN 1849-2	0,5 mm	20 mil
Water vapour transmission (Sd) ⁽¹⁾	EN 1931	10 m	0.35 US perm
Maximum tensile force MD/CD ⁽¹⁾	EN 12311-2	320 / 300 N/50mm	37 / 34 lb/inch
Elongation MD/CD ⁽¹⁾	EN 12311-2	10 / 10 %	-
Resistance to nail tearing MD/CD ⁽¹⁾	EN 12310-1	250 / 290 N	56 / 65 lbf
Watertightness	EN 1928	conforming	-
Temperature resistance	-	-40 / 80 °C	-40 / 176 F
Reaction to fire	EN 13501-1	class E	-
Resistance to penetration of air	EN 12114	< 0,02 m ³ /(m ² h50Pa)	< 0.001 cfm/ft ² at 50Pa
Water vapour resistance:			
- after artificial ageing	EN 1296 / EN 1931	conforming	-
- in the presence of alkalis	EN 1847 / EN 12311-2	npd	-
Thermal conductivity (λ)	-	0,4 W/(m·K)	0.17 BTU/h·ft·°F
Specific heat	-	1700 J/(kg·K)	-
Density	-	approx. 360 kg/m ³	approx. 0.2 oz/in ³
Water vapour resistance factor (μ)	-	approx. 20000	approx. 50 MNs/g
VOC content	-	0 %	-
UV stability ⁽²⁾	EN 13859-1/2	3 months	-
Exposure to weather ⁽²⁾	-	3 weeks	-

⁽¹⁾ Average values obtained from laboratory tests. Consult the Declaration of Performance for the minimum values.

⁽²⁾ For the correlation between laboratory tests and actual conditions, see page 199.

CODES AND DIMENSIONS

CODE	description	tape	H	L	A	H	L	A	
			[m]	[m]	[m ²]	[ft]	[ft]	[ft ²]	
V180	VAPOR NET 180	-	1,5	50	75	5	164	807	25
VTT180	VAPOR NET 180 TT	TT	1,5	50	75	5	164	807	25