

VAPOR NET 110

VAPOUR CONTROL MEMBRANE WITH REINFORCEMENT GRID



COMPOSITION


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

TECHNICAL DATA

Properties	standard	value	value
Mass per unit area	EN 1849-2	110 g/m ²	0.36 oz/ft ²
Thickness	EN 1849-2	0,3 mm	12 mil
Water vapour transmission (Sd)	EN 1931	5 m	0.7 US perm
Maximum tensile force MD/CD	EN 12311-2	> 200 / 250 N/50mm	23 / 29 lb/in
Elongation MD/CD	EN 12311-2	> 25 / 25 %	-
Resistance to nail tearing MD/CD	EN 12310-1	> 170 / 170 N	38 / 38 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)	-	0,3 W/(m·K)	0.17 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 370 kg/m ³	approx. 0.21 oz/in ³
Water vapour resistance factor (μ)	-	approx. 16700	approx. 25 MNs/g
VOC content	-	0 %	-
UV stability ⁽¹⁾	EN 13859-1/2	3 months	-
Exposure to weather ⁽¹⁾	-	2 weeks	-
Water column	ISO 811	> 250 cm	> 98 in

⁽¹⁾ 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]	
V110	VAPOR NET 110	-	1,5	50	75	5	164	807	 36