

VAPOR 140

VAPOUR CONTROL MEMBRANE



COMPOSITION

- 1 top layer: non-woven PP fabric
- 2 middle layer: vapour control PP film
- 3 bottom layer: non-woven PP fabric



TECHNICAL DATA

Properties	standard	value	USC units
Mass per unit area	EN 1849-2	140 g/m ²	0.46 oz/ft ²
Thickness	EN 1849-2	0,45 mm	18 mil
Water vapour transmission (Sd)	EN 1931	10 m	0.35 US Perm
Tensile strength MD/CD	EN 12311-2	> 230/180 N/50 mm	26/21 lbf/in
Elongation MD/CD	EN 12311-2	> 35/40 %	-
Resistance to nail tearing MD/CD	EN 12310-1	> 125/145 N	28/33 lbf
Watertightness	EN 1928	compliant	-
Water vapour resistance:			
- after artificial ageing	EN 1296/EN 1931	compliant	-
- in the presence of alkalis	EN 1847/EN 12311-2	npd	-
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
Resistance to temperature	-	-20/80 °C	-4/176 °F
UV stability ⁽¹⁾	EN 13859-1/2	336h (3 months)	-
Thermal conductivity (λ)	-	0,3 W/(m·K)	0.17 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 310 kg/m ³	approx. 19 lbm/ft ³
Water vapour resistance factor (μ)	-	approx. 22000	approx. 50 MNs/g
VOC	-	not relevant	-
Water column	ISO 811	> 250 cm	> 98 in

⁽¹⁾ Laboratory ageing test data cannot reproduce unforeseeable causes of the product's degradation, or consider the stresses to which it will be subjected during its service life. To ensure its integrity, as a precautionary measure, exposure to weathering during construction should be limited to a maximum of 3 weeks.

Waste classification (2014/955/EU): 17 02 03

CODES AND DIMENSIONS

CODE	description	tape	H [m]	L [m]	A [m ²]	H [ft]	L [ft]	A [ft ²]	
V140	VAPOR 140	-	1,5	50	75	5	164	807	30