

RADON FLOOR



WATERPROOFING RADON GAS BARRIER FOR FOUNDATIONS



COMPOSITION

top layer
low density PE film

reinforcing layer
polyester reinforcing grid

middle layer
low density PE film

bottom layer
low density PE film



TECHNICAL DATA

Properties	standard	value	USC conversion
Mass per unit area	EN 1849-2	350 g/m ²	1.15 oz/ft ²
Thickness	EN 1849-1	0.4 mm	16 mil
Water vapour transmission (Sd)	EN 1931	232 m	0.015 US perm
Maximum tensile force MD/CD	EN 12311-1	> 450 / 420 N/50mm	51 / 48 lb/in
Elongation MD/CD	EN 12311-1	> 12 / 12 %	-
Resistance to nail tearing MD/CD	EN 12310-1	> 300 / 300 N	> 67 / 67 lbf
Watertightness	EN 1928	conforming	-
Temperature resistance	-	-40 / 80 °C	-40 / 176 °F
Reaction to fire	EN 13501-1	class F	-
Resistance to penetration of air	EN 12114	0 m ³ /(m ² h50Pa)	0 cfm/ft ² at 50Pa
Thermal conductivity (λ)	-	0,4 W/(m·K)	0.23 BTU/h·ft·°F
Specific heat	-	1800 J/(kg·K)	-
Density	-	approx. 875 kg/m ³	approx. 0.51 oz/in ³
Water vapour resistance factor (μ)	-	approx. 580000	approx. 1160 MN·s/g
Joint strength	EN 12317-2	> 50 N/50mm	> 5.71 lb/in
Impact resistance	EN 12691	> 200 mm	> 7.87 in
Flexibility at low temperatures	EN 1109	-20 °C	-4 °F
Resistance to static load	-	200 N	44.96 lbf
Radon permeability	SP Swedish Nat. Testing & Research Institute	< 1x10 ⁻¹¹ m ² /s	-
Radon transmittance	SP Swedish Nat. Testing & Research Institute	< 2x10 ⁻⁸ m/s	-

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

CODES AND DIMENSIONS

CODE	H	L	A	H	L	A	
	[m]	[m]	[m ²]	[ft]	[ft]	[ft ²]	
RADON350	2	25	50	7	82	538	42

RECOMMENDATIONS FOR INSTALLATION



1 SUPRA BAND, BUTYL BAND

3a SUPRA BAND, BUTYL BAND, OUTSIDE GLUE ROLLER

4 MARLIN, CUTTER

5 GROUND BAND