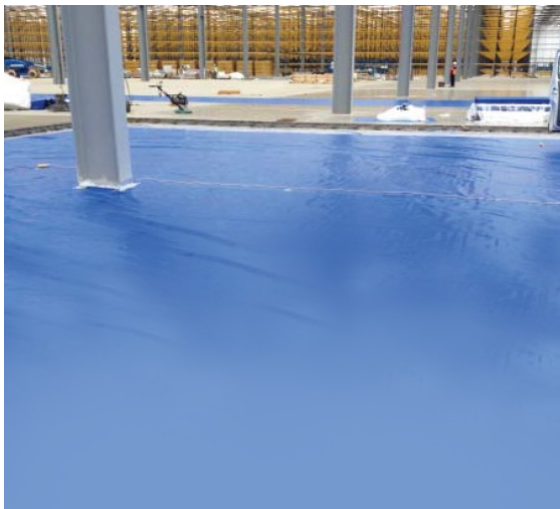





PROCTOR**GEO** Gas Barrier 2000

ProctorGeo Gas Barrier 2000 is a low-density, polythene gas barrier and damp-proof membrane in concrete ground floors, above and below the slab not subject to hydrostatic pressure, to protect the building against moisture, radon, methane and carbon dioxide from the ground.



-Physical Properties	Test method	Unit	Min	Target	Max
Length	EN 1848-2	m	50 metres (-0%)		
Width	EN 1848-2	m	2 metres 3 metres (-0,5% / +1%)		
Thickness	EN 1849-2	mm	0,4	0,5	0,6
Basis Weight	EN 1849-2	g/m ²	260	275	295
Tensile Strength MD CD	EN 12311-1 EN 12311-1	N/50mm N/50mm	420 380	500 470	600 570
Elongation MD CD	EN 12311-1 EN 12311-1	% %	10 10	15 20	25 30
Nail tear resistance MD CD	EN 12310-1 EN 12310-1	N N	320 320	400 400	500 500
Water column	EN 20811	cm	>300		
Resistance to water penetration	EN 13967, EN 1928	-	Pass		
Durability of watertightness, against ageing	EN 1296, EN 1928, EN 13967	-	Pass		
Resistance to static loading	EN 12730 Method B	kg	20		
Permeability coefficient Q	DIN 53380-2	m ² .Pa ⁻¹ .s ⁻¹	1,92 x 10 ⁻¹⁷		
Gas transmission rate G	DIN 53380-2	[cm ³ .m ⁻² .Mpa ⁻¹ .d ⁻¹]	6,39 x 10 ³		
Methane gas permeability		m ² s ⁻¹ Pa ⁻¹	1,92 x 10 ⁻¹⁷		
Radon permeability		m ² 1,5 x 10 ⁻¹	1,5 x 10 ⁻¹¹		
Carbon dioxide permeability		m ² s ⁻¹ Pa ⁻¹	1,64 x 10 ⁻¹⁶		

ProctorGeo Gas Barrier 2000 is satisfactory for use as a gas-resistant barrier to restrict the ingress of radon, methane and carbon dioxide gases into building from landfill and naturally occurring sources.

The membrane can be installed in flooring construction as described in BRE Report 211 (BR 211:2007) Radon: guidance on protective measures for new dwellings which include the following:-

- reinforced cast in situ (ground-supported) concrete floors
- suspended beam and block concrete floors
- precast concrete slabs

The details supplied here are based upon good practice and currently available information. Please contact us to discuss your project and any technical enquires.