

Data Sheet

Gas Retardant Polymeric DPC

Independently tested for resistance to Carbon Dioxide, Methane and Radon.

- Excellent low temperature properties
- Pitch and Plasticiser free
- CE Marked to EN 14909

Technical Information:

Our GR DPC has been specially developed for use where structures are built on ground likely to be contaminated by gases such as Radon, Methane or CO₂.

Methane Gas Transmission Rate: 0.02 m¹/m²/24hr.

Essential Characteristics	Performance	Harmonised Standard
Water Tightness	Pass	EN 14909
Durability (Artificial aging)	Pass	
Durability (Alkali)	Pass	
Resistance to impact	250mm	
Resistance to low temp	-40	

Methane Gas Permeability

Client Identification	TW Sample Number	Coating Thickness (cm)	Sample Area (cm ²)	Time elapsed after start of test (hours)	Methane Gas Permeability (k) (m ² /s)
Payload GR	144649/1	0.0902	50.64	24	1.16 x 10 ⁻¹⁴

Carbon Dioxide Diffusion Resistance

Coating System Name	GR DPC
TW Specimen No.	144649/2
Dco ₂ (cm ² s ⁻¹)	3.24 x 10 ⁻⁷
μ - value	4.60 x 10 ⁵
R (m)	415
Mean Dry Film Thickness (μm)	902
Date of Test	24 April 2008