

Protech GR-DPC

GAS PROTECTION

DESCRIPTION

Protech GR-DPC is a gas resistant DPC used through junctions with cavities or masonry to protect against the ingress of gas and damp.

Protech GR-DPC can be used on any site where Carbon Dioxide, Radon or Methane is a problem. Methane will occur on any sites previously used for landfill. Such conditions can exist on household, commercial and industrial sites. Protech GR-DPC is suitable for stepped cavity applications.

Protech GR-DPC should be taken through the cavity and formed as per the design. The connecting gas membrane should be laid on top of this and sealed with either Protech GM Tape or Protech GM Flashing in the perimeter areas. Protech GR-DPC can also be taken through internal walls where detailing with the gas membrane is difficult.

KEY FEATURES

- Roll size; 600mm x 20m
- Excellent all round physical properties.
- Flexible at low temperatures.
- Good mortar adhesion.
- Easy and clean to use.
- No pitch or plasticisers.
- Available in a range of standard widths.
- Normally in stock for quick delivery.
- CE marked to EN 14909

INSTALLATION PRACTICE

- Protech GR-DPC must extend through the full thickness of the wall, including pointing, applied rendering or other facing material.
- Protech GR-DPC must be laid on a wet, even bed of mortar and perforations in adjacent courses of brickwork must be closed with mortar.
- All lap joints must have a minimum 100mm overlap and be completely sealed with Protech GM Tape.



Characteristic	Test Method	units	Compliance criteria	Value or statement
Visible defect	EN 1850-2	-	Pass/fail	Pass
Length	EN 1848-2	m	+/- 5%	20.0
Width	EN 1848-2	m	+/- 5%	600mm*
Straightness	EN 1848-2	-	Pass / fail	Pass
Thickness	EN 1849-2	mm	+/- 10%	nominal 0.8
Mass	EN 1849-2	g/m ²	+/- 10%	588
Water tightness	EN 1928	-	Pass/fail	Pass
Durability (artificial ageing)	EN 1928	-	Pass/fail	Pass
Durability (alkali)	EN 1928	-	Pass/fail	Pass
Resistance to impact	EN 12691	mm	>MLV	250
Resistance to low temp	EN 495-5	°C	MDV	-40
Resistance to tearing	EN 12310-1	N	MDV	270
Water vapour transmission	EN 1931	g/(day.m ²)	MDV	0.5
Resistance to static loading	EN 12730	Kg	>MLV	Pass 20
Methane Gas Permeability	-	(k) (m ² /s)	MDV	1.16 × 10 ⁻¹⁴
Joint strength	EN 12317-2	N/50mm	MDV	153
Tensile strength	-	Nmm ²	-	15
Elongation at break	-	%	-	-
Nail tear strength	N	min	-	260
D co ²	-	(cm ² s ⁻¹)	-	3.24 × 10 ⁻⁷

*Other sizes available on request.



Download a full Gas Protection brochure from our website...

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