GROUND GAS PROTECTION
GP® RADON DPC
TECHNICAL DATA SHEET

GP® RADON DPC

GP® RADON DPC - Radon Resistant DPC is a unique tri-polymer High Performance DPC. GP® RADON DPC is specifically designed and manufactured to perform as a Radon and Moisture resistant damp proof course.

Thickness	0.6 mm
Width	100-1200 m
Length	20 m
Weight	552 g/m²

TITANTECH®
For developers of brownfield and contaminated sites the TITANTECH® family of products represent a major step forward in safeguarding projects against gaseous and chemical contamination.

GP® RADON DPC complies with the latest codes of practice as published by BRE, CIRIA and BSI (BE EN 14909). Suitable for use as a High Performance DPC for vertical and horizontal applications. Superior adhesion to mortar is essential for buildings of 3+ storey height.

JUTA GP® RADON DPC has an embossed surface to create superior mortar adhesion which is essential when being used in 3+ storey applications. JUTA GP® RADON DPC is compliant to BS EN 14909:2012 and can be used in both vertical and horizontal applications.

Handling
Roll weights can be in excess of 5 kg and hence appropriate care and equipment is required for unloading and handling.

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Feature	Characteristics	Test Method	GP® RADON DPC
Physical Properties	Thickness	EN 1849-2	0.6 mm
	Width	EN 1849-2	100-1200 m
	Length	EN 1849-2	20 m
	Weight	EN 1849-2	552 g/m^2
Hydraulic Properties	Water Vapour Permeation	EN 1932	0.1 g/m^2/day
	Resistance to Water Penetration	EN 1928	Pass
Mechanical Properties	Resistance to Static Load	EN 12730 - B	20 kg
	Tensile Strength (MD)	EN 12311-1	24 N/mm^2
	Tensile Strength (CMD)	EN 12311-1	22 N/mm^2
	Tensile Elongation (MD)	EN 12311-1	398%
	Tensile Elongation (CMD)	EN 12311-1	446%
	Resistance to Impact	EN 12961	660 mm
	Resistance to Tearing (Nail Shank) MD	EN 12310-1	700 N
	Resistance to Tearing (Nail Shank) CMD	EN 12310-1	750 N
	Joint Strength	EN 12317-1	520 N
Durability and Chemical Resistance	Heat Ageing	EN 1926	Pass
	Chemical Resistance	EN 1847	Pass
	Resistance to Fire	EN 13501-1	Class F
	Resistance to Low Temperature	EN 495-5	Pass @ -40°C
Gas Permeability	Radon Permeability	K124/02/95	9.5x10^{-12}/m^2/s
Compliance and Certification	CE Mark - EN13967:2012		
	NHBC Standards Compliant		
	BS EN 14909:2012 Compliant		

Feature	Pre-Compression (N/mm^2)	Characteristic Shear Strength (N/mm^2)
Characteristic Shear Strength	0.2	0.14
	0.6	0.34
	1.0	0.52

JUTA UK

For additional information or assistance, please contact JUTA UK directly.

Storage

Rolls of JUTA GP® RADON DPC should be stored on stable/level ground and stacked not more than five rolls high, with no other material stacked on top. The rolls can be stored outdoors when packaged but should be protected from exposure to UV. JUTA GP® RADON DPC is classified as non-hazardous and is chemically inert such that it will not react with any acid or alkali environment in which it is used.

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Installation

GP® RADON DPC must be installed in accordance with the guidelines laid out in BS8215:1991, BS8000: part 3 and BS 5628. It can be used in most common floor constructions and is installed in a similar manor to damp proof membrane. For external walls the DPC should be applied 150 mm above the adjoining surface and should be linked to a DPM or Gas Resistant DPM in solid floors. The DPC should be applied to a fresh bed of mortar, completely free of projections that may puncture the material or impede the DPC from lying flat.

Joining and Sealing

Sheets of GP® RADON DPC must be clean, dry and free from dirt and grease before application of joining tape. JUTA GP® RADON DPC may also be heat welded to the underlying Gas resistant membrane.

Accessory Products

JUTA GP® RADON DPC is an accessory product for use in combination with GP® 1, GP® 2, GP® H, GP®SAM and GP® TITANTECH® gas protective membranes. It is also compatible with a range of DPM and other DPC materials.

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