



# GP® TITANTECH® DPC

**GP® TITANTECH® DPC - Gas and Hydrocarbon Resistant DPC is a unique single layer, embossed High Performance DPC. GP® TITANTECH® DPC is specifically designed and manufactured to perform as a Methane, Carbon dioxide, VOC, Radon and Moisture resistant damp proof course.**

## **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® TITANTECH® DPC complies with the latest codes of practice as published by BRE, CIRIA and BSI (BS EN 14909, BS8485:2015 and C748). 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® TITANTECH® DPC has an embossed surface to create superior mortar adhesion which is essential when being used in 3+ storey applications. JUTA GP® TITANTECH® 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.

<b>Thickness</b>	1.0 mm
<b>Width</b>	1.3 m
<b>Length</b>	20 m
<b>Weight</b>	921 g/m <sup>2</sup>

## **Certifications**



Please Scan



Rev 2024



Feature	Characteristics	Test Method	GP® TITANTECH® DPC
<b>Physical Properties</b>	Thickness	EN 1849-2	1.0 mm
	Width	EN 1849-2	1.3 m
	Length	EN 1849-2	20 m
	Weight	EN 1849-2	921 g/m <sup>2</sup>
<b>Hydraulic Properties</b>	Water Vapour Permeation	EN 1932	0.08 g/m <sup>2</sup> /day
	Resistance to Water Penetration	EN 13967, EN 1928	Pass
	Watertightness	EN 1928	Pass
<b>Mechanical Properties</b>	Resistance to Static Load	EN 12730 - B	20 kg
	Tensile Strength (MD)	EN 12311-1	24 N/mm <sup>2</sup>
	Tensile Strength (CMD)	EN 12311-1	22 N/mm <sup>2</sup>
	Tensile Elongation (MD)	EN 12311-1	398%
	Tensile Elongation (CMD)	EN 12311-1	446%
	Puncture Resistance	EN 12236	1.25 kN
	Resistance to Tearing (nail shank) MD	EN 12310-1	700 N
	Resistance to Tearing (nail shank) CMD	EN 12310-1	750 N
<b>Durability and Chemical Resistance</b>	Transmission rate of volatile liquids - Diesel	ISO 6179:2010 (B)	0.096 g/m <sup>2</sup> /h
	Transmission rate of volatile liquids - Xylene	ISO 6179:2010 (B)	4.845 g/m <sup>2</sup> /h
	Transmission rate of volatile liquids - Toulene	ISO 6179:2010 (B)	6.695 g/m <sup>2</sup> /h
	Transmission rate of volatile liquids - Petrol	ISO 6179:2010 (B)	5.172 g/m <sup>2</sup> /h
	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
<b>Gas Permeability</b>	Methane Permeability	BS EN ISO 15105-1	28 ml/m <sup>2</sup> /day/atm
	Carbon Dioxide Permeability	BS EN ISO 15105-1	<28 ml/m <sup>2</sup> /day/atm
	Radon Permeability	K124/02/95	9.5x10 <sup>-12</sup> /m <sup>2</sup> /s
<b>Compliance and Certification</b>	CE Mark - EN13967:2012		
	NHBC Standards Compliant		
	BS EN 14909:2012 Compliant		
	BS 8485:2015 Compliant		

Feature	Pre-Compression (N/mm <sup>2</sup> )	Characteristic Shear Strength (N/mm <sup>2</sup> )
<b>Characteristic Shear Strength</b>	0.2	0.14
	0.6	0.34
	1.0	0.52



#### **Storage**

Rolls of JUTA GP® TITANTECH® 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® TITANTECH® 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.

#### **JUTA UK**

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

#### **Installation**

JUTA GP® TITANTECH® 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 150mm 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 JUTA GP® TITANTECH® DPC must be clean, dry and free from dirt and grease before application of joining tape. JUTA GP® DPC may also be heat welded to the underlying Gas resistant membrane.

#### **Accessory Products**

JUTA GP® TITANTECH® 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.

