



# GP® DPC

GP® DPC - Gas Resistant DPC is a unique single layer, embossed High Performance DPC. GP® DPC is specifically designed and manufactured to perform as a methane, carbon dioxide, 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® DPC complies with the latest codes of practice as published by BRE, CIRIA and BSI (BS EN 14909 and BS8485:2015). 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.

GP® DPC has an embossed surface to create superior mortar adhesion which is essential when being used in 3+ storey applications. JUTA GP® 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> | 0.8 mm               |
| <b>Width</b>     | 100-1200 m           |
| <b>Length</b>    | 20 m                 |
| <b>Weight</b>    | 730 g/m <sup>2</sup> |

### Named Accessory in Certification



Please Scan



Rev 2024



| Feature                                   | Characteristics                        | Test Method       | GP® RADON DPC                            |
|---|--|-------------------|--|
| <b>Physical Properties</b>                | Thickness                              | EN 1849-2         | 0.8 mm                                   |
|   | Width                                  | EN 1849-2         | 100-1200 m                               |
|   | Length                                 | EN 1849-2         | 20 m                                     |
|   | Weight                                 | EN 1849-2         | 730 g/m <sup>2</sup>                     |
| <b>Hydraulic Properties</b>               | Water Vapour Permeation                | EN 1931           | 0.09 g/m <sup>2</sup> /day               |
|   | Resistance to Water Penetration        | 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%                                     |
|   | Resistance to Impact                   | EN 12691          | 660 mm                                   |
|   | 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> | 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>                   | Radon Permeability                     | K124/02/95        | 9.5x10 <sup>-12</sup> /m <sup>2</sup> /s |
|   | Methane Permeability                   | BS EN ISO 15105-1 | 33.9ml/m <sup>2</sup> /day/atm           |
| <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   |

**JUTA UK**

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

**Storage**

Rolls of JUTA GP® 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® 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.



### Installation

GP® 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.

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### Joining and Sealing

Sheets of GP® 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® 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.

