

Permabit

Product Data Sheet

High Performance Bitumen Polymer DPC

December 2005

Features and benefits

- BBA certificated
- Over 25 years proven reliability
- Excellent performance under high or low compressive loads
- Superior mortar adhesion properties
- Tough and durable with excellent flexibility
- Complete system availability
- Technical hotline, waterproofing design service and on-site support

Description

Permabit DPC is a high-bond strength, flexible bitumen polymer DPC, specifically designed to provide superior adhesion to mortar. Permabit DPC provides excellent performance under both high and low compressive loads and as such is commonly used as a cavity tray in lightly loaded parts of the construction such as parapet walls, or used as a horizontal DPC beneath copings or cappings.

Permabit provides horizontal, vertical or stepped DPCs including cavity trays in either solid or cavity walls of brick, block, stone or concrete. It is a mixture of bitumen, synthetic polymers, synthetic fibres and other additives.

Permabit DPC forms part of a complete system so that when used as a cavity tray, joints are fully supported and sealed using Hyload DPC Joint Support System, and awkward junctions such as internal and external corners are waterproofed with preformed cloak units. The product is supported by a complete range of accessories, is compatible with other Ruberoid waterproofing products as well as most commonly used construction materials.

Permabit holds British Board of Agrément certificate number 88/1966, which also includes Ruberoid preformed cloak units and the Hyload DPC Jointing System. Ruberoid was the first UK bituminous membrane manufacturer to achieve BS EN ISO 9002 accreditation.

Product details

Dimensions and weights	Permabit
Nominal weight kg/m ²	1.6
Nominal thickness mm	1.25
Nominal length m/roll	20

Standard widths												
Roll width	100	112.5	125	150	225	300	337.5	360	450	600	900	1000
m ² / roll	2.00	2.25	2.50	3.00	4.50	6.00	6.75	7.20	9.00	12.00	18.0	20.0

Non-standard widths are available to order in 25mm increments.

Typical performance		
Permeability to water vapour to BS 3177 g/m ² over 24 hours		0.5
Tensile strength at break to BS 2782, 320A at 100 mm/minute N/mm ²	MD	5.1
	CD	4.7
Elongation at break to BS 2782, 320A at 100 mm/minute %	MD	510
	CD	490
Tear strength to BS 2782, 360B at 100 mm/minute N/mm ²	MD	64.1
	CD	58.8
Static indentation with 24kg for 24 hours to MOAT 27, 5.1.9		Satisfactory
Dynamic indentation with 12 mm punch to MOAT 27, 5.1.10		Satisfactory
Low temperature flexibility at -30°C to BS 747, Appendix C4		Pass

Note: Figures shown are typical test method results and should not be used for specifying purposes

Product range

A range of accessories is available to complete the Permabit DPC system, including :-

- Preformed units (standard and special)
- Hyload DPC Fixing Strip & Pins
- Hyload DPC Mastic
- Ruberclose Insulated DPC
- Hyload DPC Jointing Tape and Jointing System

Application

Installation must follow normal good practice for the detailing of damp proof courses, as set out in the relevant clauses of BS 5628: Part 3: 2001 and must be in accordance with the manufacturer's instructions. The following installation practices are essential:

DPCs must extend through the full thickness of the wall or wall leaf, including pointing, applied rendering or other facing material and project beyond the external face by 5mm.

DPCs must be sandwiched between an even bed of wet mortar, and perforations in adjacent courses of brickwork must be completely filled with mortar.

All lap joints in the DPC must have 100mm overlap and be completely sealed using Hyload DPC Jointing Tape.

Ruberoid preformed units must be used at stop ends, and all corners and changes in level of cavity trays.

When using DPCs with boot lintels or similar constructions, it is recommended that the material be installed following the lintel profile.

Storage

Ruberoid high performance DPCs are delivered to site in rolls, secured with a paper wrapper. On delivery it is important to check compliance of materials with specification requirements. Rolls must be stored level, on end and under cover. Care must be taken to ensure that the DPC does not become contaminated by hydrocarbon or other organic solvents. Standard and special preformed cloak units are supplied in cardboard cartons. Ruberoid's instructions regarding handling and storage must be followed at all times.

Health and safety

A Health and Safety data sheet relating to Permabit is available from the Technical & Design Services Department on 0800 587 7391 or E-mail wat.tech@ruberoid.co.uk. Alternatively, Health and Safety data sheets for all Ruberoid products are available as down-loads from the Ruberoid web site: www.ruberoid.co.uk

Technical and design support

Technical advice can be obtained from the Technical & Design Services Department on:

Tel: 0800 587 7391 Fax 01257 252986 Email wat.tech@ruberoid.co.uk

Other products

Ruberoid is part of the IKO Group which manufactures and supplies a wide range of high performance, insulated roofing systems including bituminous membranes, mastic asphalt, hot melt and polymeric single ply. The range also encompasses green roof systems, DPCs/DPMs/tanking materials and liquid waterproofing solutions and compounds. Full product literature is available as downloads from the web site: www.ruberoid.co.uk or on request by email: marketing@ruberoid.co.uk

Ruberoid Building Products

E-Mail: marketing@ruberoid.co.uk **www.ruberoid.co.uk**

Customer services

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Technical & design services - Roofing

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Technical & design services - Structural Waterproofing

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