

Solcourse Gas Resistant DPC

Description:

Solcourse Gas Resistant DPC is a high-performance polymeric damp proof course material formulated to exhibit excellent barrier properties to Methane, Carbon Dioxide and Radon.

Solcourse GR DPC has been independently tested and certified. The DPC is fully compliant to BS 8485:2015+A1:2019. Solcourse GR DPC is tough and very difficult to tear making it the ideal damp proof course material where good physical properties are required.

Solcourse GR DPC is compliant to BS EN 14909:2012 and can be used in both vertical and horizontal applications.



Installation:

Solcourse GR DPC must be installed in accordance with the guidelines laid out in BS 8215:1991, BS 8000: part 3, and BS 5628. It can be used in most common floor constructions and is installed in a similar manner to standard DPMs.

For external walls, the DPC should be applied 150mm above the adjoining surface and should be linked to a damp-proof membrane or gas barrier in solid floors. Solcourse GR 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.

Jointing:

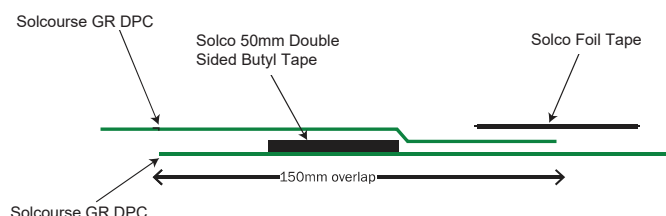
Solcourse GR DPC delivers outstanding resistance to Radon, Carbon Dioxide, and Methane gases as well as water vapour. This design feature will also provide a highly effective barrier for the lifetime of the building. Solcourse HP GR DPC is fully compliant to BS 8485:2015+A1:2019 and ISO 15105-1 test standard.

Solcourse GR DPC is compliant to BS EN 14909:2012 and can be used in both vertical and horizontal applications. All service entry points must have airtight seals. Top hats and corner pre-forms must be sealed using Solco D/S Butyl Tape. As an alternative to using jointing tapes, the DPC can be welded providing this is done to a high standard by trained installers.

- Complies to BS 8485:2015+A1:2019.
- CE Marked.
- Gas Resistant to Rn, CO₂, and CH₄ gases.
- High strength, puncture and tear resistance.
- Flexible at low temperatures and good mortar resistance.
- Suitable for use on NHBC Amber 1 and 2 sites.

Roll Sizes

100mm to 1000mm x 20m



Solco, Unit 51, Portmanmoor Road Industrial Estate, Ocean Park, Cardiff, CF24 5HB

Technical Data:*

Property	Unit
Thickness	0.80 mm
Tensile Strength	15 N/mm ²
Elongation at Break	600%
Resistance to Impact	255 mm
Nail Tear Strength	260 N (min)
Watertightness	Pass
Carbon Dioxide Diffusibility	3.24x10 ⁻⁷ cm ² /s
Methane Permeability	1.16x10 ⁻¹⁴ k
Resistance to Low Temperature	-40°C

*Tested on raw material (natural colour) .

Storage & Handling on Site:

Solcourse GR DPC is classified as non-hazardous (code of practice CP102 1973). The product is chemically inert and any acids or alkalis present in the subsoil will not affect the product. It is not recommended for use when exposed to sunlight and general outdoor weather conditions for long periods of time, and weathering will not occur when installed. Rolls should be stored on end and under cover and on a flat, level surface. Contact with organic solvents must be avoided.

The product is handled and cut using the same techniques as traditional DPCs. It retains sufficient flexibility when used at the lowest temperatures at which walls are normally built and does not become tacky in warm, ambient weather conditions. However, if stored at low temperatures, Solcourse GR DPC should be left in a warm place before use to improve handling.

Difficulties may occur when forming certain details, particularly when bending the product through two angles at the same time. In such cases, care must be taken to achieve a satisfactory seal, and, where necessary, preformed cloaks should be used. Care should be taken at temperatures below 5°C to avoid the risk of condensation on jointed surfaces, which may affect the efficiency of the self-adhesive tapes.

Solcourse GR DPC System Accessories

Solco Top Hats	Form an effective seal where a pipe, duct, or service penetrates Solsheet membranes.	Units
Solco Double Sided Butyl Tape	A double-sided synthetic butyl mastic tape, used for securing joints and laps in DPC's, Cavity trays & pre-formed Cloaks.	Rolls
Solco Foil Tape	A single-sided tape for securing laps & joints.	Rolls
Solco Venting Accessories	Allows the effective venting of gas from beneath a building.	Units
Solco Int / Ext Corners	Preformed units that ensure protection at corners	Units
Solco DPC Fixing Strips	Used to surface fix Solcourse DPC cavity trays and preformed cloak units to the inner leaf.	Packs
Solco DPC Fixing Strips (Masonry)	Used for surface fixing Solcourse high performance DPC systems to any solid internal substrate such as brick, stone, and concrete.	Packs
Solco DPC Fixing Strips (Insulation)	Used for surface fixing to the rigid insulation of composite inner skins.	Packs
Solco HP Insulation Fixing	For applications requiring high pull out resistance, or for fixing to poor quality base materials.	Packs
Solco Insulation Panel Fixing	Recommended for securing rigid insulation, EPS, High-Density Rockwool and Composites, to solid base materials.	Packs
Solco Insulation Retaining Washers	Used in conjunction with screws to secure insulation to timber, sheet steel, and other non-standard base materials.	Packs
Solco DPC Blanking Plug	Offers a solution to the problem of sealing holes drilled in bricks and mortar for the installation of DPC Chemicals.	Packs
Solco Soft Washer Fixing	For securing Solco drainage & waterproof applications to concrete etc by hand nailing or shot-firing.	Packs
Solco Membrane Fixing Plugs	Used in damp proofing applications to secure the specialist membranes to the base material - usually brickwork and concrete.	Packs
Solco DPC Joint Support System	Polypropylene Support Boards used in conjunction with Solco Butyl DPC Jointing Tape.	System