

# SOLCOURSE Polythene DPM



Solcourse DPM is a blown film, extruded from 100% recycled LDPE, suitable for use in domestic and commercial applications.



- **CE Marked.**
- **BBA Agrément Certified.**
- **NHBC Compliant (Chapters 4.1 & 5.1)**
- **Complies with requirements of the UK Building Regulations.**
- **Resistant to puncture.**
- **High strength.**



Colour	Product Code	Roll Sizes
Black	SOLCOURSE DPM	Various

## SOLCOURSE - DPC / DPM Systems

Last Issue Date: 22.10.20

### Product Description

Solcourse Polythene Damp Proof Membrane is BBA approved and CE Marked in accordance with BS EN 13967: 2004.

Solcourse Polythene DPM is manufactured from recycled polythene material. This strong, PIFA standard and BBA accredited damp proof membrane, is available in 500 gauge (125micron) 1000 gauge (250 Micron thick) and 1200 gauge (300 Micron) 2000 gauge (500 micron).

Sheet Thickness	Sheet Size	Roll Weight
500 mu / 2000 guage	4m x 12.5m	23 kg
300mu / 1200 guage	4m x 25m	27 kg
250mu / 1000 guage	4m x 25m	23 kg

Solcourse DPM can be installed:

- As an oversite membrane, between a blinded hardcore bed and the base concrete slab.
- As a sandwich membrane in a base concrete slab.
- Between the base concrete slab and the screed.

Solco can also supply DPM in a range of sizes and specifications to meet site specific needs. Please contact us with your requirements to get the DPM you require.

### Installation

When installing a DPM, even though it has a high puncture resistance, care should always be taken to avoid accidental damage and a suitable blinding should be used. Where the area is subject to high foot traffic, temporary protection boards should be used to maintain the integrity of the membrane and its jointing.

Unless the base is smooth, a surface blinding of soft sand (or similar material) must be used to prevent puncturing during installation or when the concrete or screed is being placed.

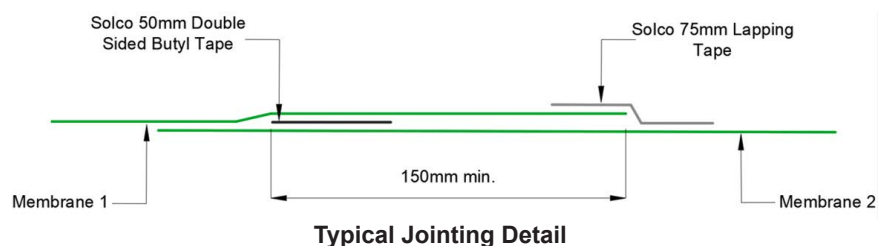
Solcourse DPM can be installed in all conditions normal to ground-floor slab construction. Where there is a risk of the ground becoming waterlogged, sub-soil drainage must be provided in accordance with CP 102 : 1973.

### Jointing & Surface Fixing

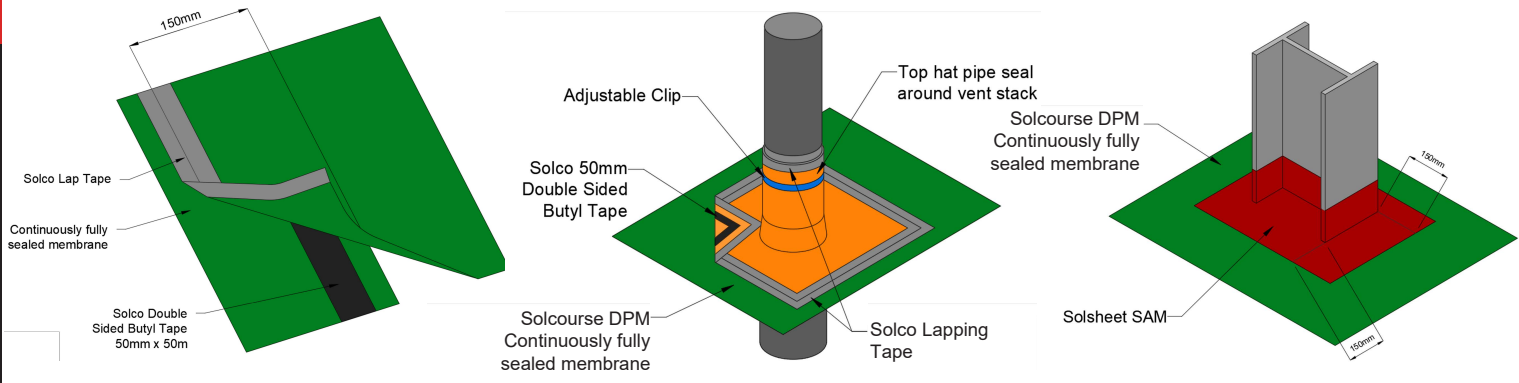
When jointing Solcourse DPM a minimum of 150mm is to be joined / adhered using Solco Double Sided Butyl Tape between membranes, and Solco 75mm Single Sided Lap Tape, to seal the outer edge and provide a continuous bond.

In order to provide effective protection the bond between the DPM and the DPC should be continuous.

To ensure a satisfactory bonding is made, the Solco range of system accessories should always be used.



## Jointing Details for Solcourse DPM



Typical Lap Detail

Typical Penetration Detail

Typical Column Detail

**Note:**

All service entry points must have airtight seals. Top hats and corner pre-forms must be sealed using double-sided butyl tape.

Perforations or punctures in the sheets must be patched with sheets of identical thickness, lapped at least 150mm beyond the limits of the puncture and jointed and sealed with Solco Double Sided Butyl Tape and Solco Lap Tape.

**Storage & Handling on site**

SOLCOURSE DPM 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 membrane. It is not recommended for use when exposed to sunlight and general outdoor weather conditions for long periods of time. Weathering will not occur when installed. Rolls should be stored under cover and on a flat, level surface.

Long periods of exposure to UV light will reduce the effectiveness of the membrane. The membrane should be protected from such exposure during storage and installation.

**Technical Data & Test Results**

Dimension Properties			
Thickness (mu / guage)	250	300	500
Roll Width	4m	4m	4m
Roll Length	25m	25m	12.5m
Colour	Black	Black	Black
Roll Weight	23kg	27kg	23kg
Technical Data			
Tensile Strength (N/50mm) BS 2782-3.320A	≥130	≥150	≥180
Elongation (%) BS 2782-3.320A	>450	>450	>300
Visible Defects	None	None	None
Mass Per unit Area (g/m <sup>2</sup> ) BS EN 12311-1	240	280	460
Watertightness BS EN 1928 - Method A	Pass	Pass	Pass
Water Vapour Transmission (S <sub>d</sub> ) value (m)	253.13	284.8	498.6
Nail Tear (N) BS 747(MOAT 27:5.4.1)	180	217	324
Moisture Vapour Transmission Rate (g/m <sup>2</sup> /day) BS3177 (25°C / 75% RH)	0.68	0.29	0.15
Moisture Vapour Resistance (MNsg <sup>-1</sup> ) BS3177 (25°C / 75% RH)	302	708	1368
Impact Resistance BS EN 12691	Pass	Pass	Pass
Durability against ageing BS EN 1926	Pass	Pass	Pass
Durability against ageing BS EN 1874	Pass	Pass	Pass

## DPM System Accessories

Product	Description	Size(s) / Coverage	Application	Pack Sizes
SOLCO Single Sided Lapping Tape	Single sided tape for securing laps & joints	75mm	Securing Laps & Joints	Rolls
SOLCO Double sided Butyl Jointing Tape	Butyl Adhesive Tape	50mm x 10m	Butyl based double sided tape for joints and laps	Rolls
SOLCO Top Hat Units	Polymeric	Various	For sealing around penetrations through gas membrane	Each
Solcourse GR DPC	A flexible Tri-polymer DPC	300mm - 1000mm	To prevent the transmission of Radon, CO <sub>2</sub> , Methane Gas & Hydrocarbons	20m Rolls
SOLCO Radon Sump Units	Part of the Radon Protection System	430 x 430 x 220mm	Radon Sumps are used in full protection areas, for sub floor depressurisation.	Each
SOLCO XL Jointing Tape	Reinforcing Tape	100, 150 & 300mm	Over-band tape self-adhesive	20m Rolls
SOLSEAL Bitumen Primer	Primer for SA Membrane	5L & 25L	Surface Primer	Drums
SOLCO Protection Boards	Bitumen / Polymeric	3mm thick	For heavy duty use, protecting membrane against excessive traffic	2m x 1m
SOLCO Corrugated Board	Plastic Corrugated	2mm thick	For light duty use	2m x 1m

## DPC System Accessories

Product	Description	Size(s) / Coverage	Pack Sizes
SOLCO DPC Joint Support System	Polypropylene Support Boards used in conjunction with Solco Butyl DPC Jointing Tape	15 No. 350 x 220mm 1No. Solco Butyl Jointing Tape	System
SOLCO DPC Lap Adhesive	A brush applied synthetic rubber / resin mixture. It is used to seal joints between Solcourse DPCs, cavity trays & preformed cloak unit	750ml (Covers approx 4-5m <sup>2</sup> )	Cans
SOLCO DPC Mastic	A thick synthetic rubber mastic adhesive with gap filling properties up to 6mm. Solco DPC Mastic is suitable for bonding surface-fixed	Coverage is 1.2 to 2m <sup>2</sup> per litre. A 400ml Cartridge equates to 14	2.5 litres Tins
SOLCO DPC Fixing Strips	Solcourse DPC Fixing Strip is corrosion resistant rigid plastic strip, It is used to surface fix Solcourse cavity trays and preformed cloaks	25mm x 2mm x 2m pre-drilled c/w DPC Fixing pins	Pack of 40 LM
SOLCO DPC Fixing Pins (Masonry)	Solco DPC Fixing Pins for Masonry are corrosion resistant and can be used for surface fixing Solcourse high performance DPC systems	6mm x 35mm Fixing pins	Pack of
SOLCO DPC Fixing Pins (Insulation)	Solco DPC Fixing Pins for Insulation are corrosion resistant and can be used for surface fixing to the rigid insulation of composite inner	6mm x 35mm Fixing pins	Pack of
SOLCO Membrane Fixing plugs	The fixing plug is used in damp proofing applications, to secure the specialist membranes to the base material	70mm x 30mm (head) Sealing washer also available	Pack of 100