

DAMPSEAL HIGH PERFORMANCE SELF-ADHESIVE DPM BY MARLEY WATERPROOFING

INTRODUCTION

Tanking is a critical area of construction where if failure occurs, it can result in disruption in the use of the building and also expensive remedial work. With these considerations in mind, Dampseal has been designed to meet the tanking requirements of the Specifier and Contractor.

INDEPENDENT APPROVAL

Dampseal has been independently approved by the British Board of Agrément, a copy of the relevant certificate, number 89/2159 is available on request.

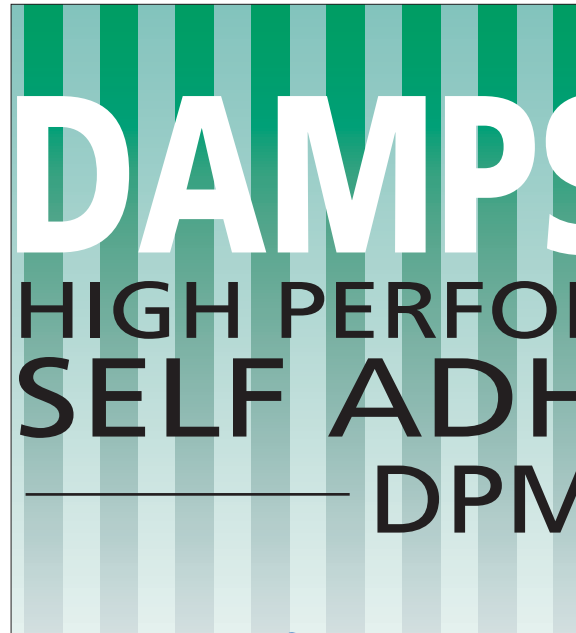
DESCRIPTION

Dampseal is a two ply, high performance, self-adhesive waterproofing membrane, consisting of a top layer of cross orientated polyolefin and a bottom layer of rubberised bitumen adhesive composition. Together these two layers form a tough, durable and reliable barrier against water and water vapour. Dampseal can be used alone or in conjunction with Aquagard, high performance pitch polymer DPC to make a continuous waterproof barrier system.

Dampseal rolls also incorporate a 15mm double sided adhesive strip down one edge and a narrower strip down the other edge, to aid sealing at side laps.

PERFORMANCE BENEFITS

- **Easily applied** - Dampseal is self-adhesive. It will adhere to dry, clean surfaces and forms a strong bond to itself when adjacent sheets are overlapped, ensuring a complete continuous waterproofing membrane. Just remove silicone release paper and adhere to surface.
- **Reliable** - Unlike liquid systems, Dampseal ensures an even thickness of membrane over the entire surface, which can be easily verified by visual inspection.
- **High bond strength** - The rubber modified adhesive composition adheres over a wide range of temperatures (min 5°C) to concrete, smooth brickwork and blockwork and screeded substrates, and this bond strength increases with time. (This also ensures watertight sealing of laps and seldedge).
- **Resists substructure movement** - Dampseal is extremely flexible and will continue to provide a reliable waterproof seal even when subjected to stress caused by minor movements of the substructure.
- **Resists damage** - The special surface layer of Dampseal has a puncture resistance considerably greater than that of 250 micron (1000 gauge) low density polythene. The cushioning provided by



the rubber modified backing composition gives added protection against accidental damage.

- **Easily repaired** - In the unlikely event of puncturing, damaged areas can easily be repaired by patching with another layer of Dampseal.
- **Radon** - Independent tests by the National Radiological Protection Board, show Dampseal drastically reduces the transmission of Radon.

MANUFACTURE

Dampseal is produced under a closely controlled system which conforms to the requirements of ISO 9001. The product is supplied packed in a cardboard box, clearly identifying product name, product code, batch code, the Agrément certificate number, roll width and roll length.

USES

Dampseal is designed to be used as a DPM in solid concrete floors and as a vertical and horizontal membrane in internal and external tanking applications. Dampseal can also be used in conjunction with Aquagard, high performance pitch polymer DPC to make a continuous waterproof barrier system.

NOMINAL DIMENSIONS & WEIGHTS DAMPSEAL DPM					
Product Code	Roll Size	Roll Weight	Weight per m ²	Thickness	Minimum Overlaps
343415	15m x 1m	26kg Nom.	1.72kg	1.5mm	Side: 50mm End: 100mm

DAMPSEAL DETAILING STRIP (3 ROLLS PER BOX)					
Product Code	Roll Size	Roll Weight	Weight per m ²	Thickness	Minimum Overlaps
343433	15m x 330mm	8.6kg Nom.	1.72kg	1.5mm	Side: 50mm End: 100mm

TYPICAL TEST VALUES		
Water Vapour Permeability at 25°C/75%RH (gm² day⁻¹) (Test Method BS 3177:1995)		
		0.17
Tensile Strength (N/50mm)		
	Longitudinal	258
	Transverse	245
Elongation at Break (%)		
	Longitudinal	134
	Transverse	120
Low Temperature Flexibility (20mm diameter mandrel at 0° C and -5°C) (Test Method MOAT 27 5.4.2)		
		Satisfactory
Resistance to Aggressive Salts Normally Occurring		
		Good
Low Temperature Flexibility		
		-5°C
Application Temperature Not Below		
		+5°C

Please also refer to the independent test results published in Part 16 of the Dampseal Agrément Certificate.

MARLEY BITUMEN PRIMER	
Product Code	646405 or 646425
Containers	5 or 25 litre cans
Flash Point	Above 32°C
Coverage	6-8m ² /litre on Dense Concrete 3m ² /litre on Porous Blockwork
Application Temperature	Not below 5°C
Drying time	Dependent on ambient conditions - typically 3-6 hours

COMPATIBILITY

Dampseal is compatible with concrete, smooth brick and blockwork or screeded substrates.

Dampseal is compatible with Aquagard Pitch Polymer DPC, offering the specifier a total high performance waterproofing system.

SAFE HANDLING PRECAUTIONS

Marley Waterproofing Bitumen Primer is classified as flammable and harmful.

Important - Please refer to product Material Safety Data Sheets

INSTALLATION

For comprehensive installation details, please refer to BBA certificate number 89/2159 and BS 8102, together with fixing instructions, on the packaging.

Preparation of Surfaces

- All surfaces to which Dampseal is to be applied should have a smooth finish and should be free from cavities, projections and loose mortar deposits. Damaged surfaces can be made good with cement/sand mortar mix. Installation, including application of the primer, must not be carried out at temperatures below 5°C.
- Surfaces must be frost free, dry and clear of contamination.
- On particularly dusty or porous surfaces, the surface should be primed with Marley Waterproofing's Bitumen Primer, which gives a coverage of approximately 3m² per litre. All vertical surfaces should be primed and left to dry thoroughly before applying the Dampseal sheet. On extremely porous surfaces, two coats of primer may be necessary.
- Loading (vertical and/or horizontal) should be applied immediately after installation to protect the membrane.
- Take measures to exclude hydrostatic pressure until loading coats have hardened.

PRICING

Prices are available from our Builder's Merchants stockists, details of which are available from our Customer Services Department.

ORDERING

When ordering, reference should be made to the product code in order to avoid mistakes. Product codes can be found in the Technical Details section of this data sheet.

TECHNICAL SUPPORT

For further technical information, please contact the Technical Department on the telephone number given below.

Due to the policy of continuous development, Marley Waterproofing reserves the right to change specifications without prior notice.



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Marley Waterproofing is a division of The Waterproofing Group Plc.