

MARLEYSEAL 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, Marleyseal has been designed to meet the tanking requirements of the Specifier and Contractor.

INDEPENDENT APPROVAL

Marleyseal has been independently approved by the British Board of Agrément, a copy of the relevant certificate, number 92/2834 is available on request.

DESCRIPTION

Marleyseal DPM is a tough, self-adhesive waterproofing membrane. A toughened, cross-orientated, polythene membrane is backed by a 1.5mm layer of rubberised bitumen adhesive. The adhesive coating is protected by a sheet of siliconised release paper. Each Marleyseal roll incorporates a 15mm double sided adhesive strip along one edge and a narrow strip down the other edge to aid sealing at side laps. Marleyseal is part of the Marley Waterproofing's self adhesive membrane range and therefore exhibits all the benefits associated with these products. Marleyseal can be used alone or in conjunction with Homegard, high performance pitch polymer DPC to make a continuous waterproof barrier system.

PERFORMANCE BENEFITS

- **Easily applied** - Marleyseal 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.
- **Reliable** - Unlike liquid systems, Marleyseal ensures a minimum 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 selvages).
- **Resists substructure movement** - Marleyseal 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 Marleyseal 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 Marleyseal.
- **Radon** - Independent tests by the National Radiological Protection Board, show that products of this nature drastically reduce the transmission of Radon.

MANUFACTURE

Marleyseal 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

Marleyseal can be used on floors as a DPM in solid concrete floors and can also be used in basements as a vertical and horizontal membrane in internal and external tanking situations.

When Marleyseal is used as an external tanking membrane, to minimise the risk of damage during and after installation, we recommend the use of the tougher Marley Waterproofing's Dampseal DPM in these situations. Marleyseal can also be used in conjunction with Homegard high performance pitch polymer DPC

MARLEYSEAL DPM					
Product Code	Roll Size	Roll Weight	Weight per m ²	Thickness	Minimum Overlaps
343815	15m x 1m	26kg Norm.	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)		
		0.23
Tensile Strength (N/50mm)		
(Test Method BS 2782 320A)	Longitudinal	218
	Transverse	262
Elongation at Break (%)		
(Test Method BS 2782 320A)	Longitudinal	208
	Transverse	147
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		
		Good
Application Temperature Not Below		
		+5°C

Please also refer to the independent test results published in Part 15 of the Marleyseal Agrément Certificate.

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

to make a continuous waterproof barrier system.

SAFE HANDLING PRECAUTIONS

Marley Waterproofing's 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 92/2834 and BS 8102, together with fixing instructions on the packaging.

Preparation of Surfaces

- All surfaces to which Marleyseal 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 Marleyseal sheet. On extremely porous surfaces, two coats of primer may be necessary.
- Loading (vertical and/or horizontal) should also be applied immediately after installation to protect the membrane.
- Measures should be taken 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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