

# PermaSEAL Liquid DPM



## Description

PermaSEAL Liquid DPM is a high quality, ready to use, liquid applied damp proof membrane, designed to be used on floors and walls to provide a quick drying, highly flexible waterproof barrier.

## Benefits

- Hard wearing & flexible DPM
- Ready-to-use straight from the bucket
- Quick drying - typically touch dry in 1 hour
- Low water vapour permeability
- Can be applied to multiple surfaces
- Water based & low odour

## Preparation

Surfaces to be treated should be smooth or have a light even texture. Any masonry should be flush pointed and defects in existing surfaces made good. All contact surfaces must be clean, sound, and free from dust, loose material, surface water or surface contaminants such as oils and solvents.

When applying to new concrete, it is important that the substrate is allowed to dry for a minimum of 28 days in favourable conditions before the application of PermaSEAL Liquid DPM.

## Test Area

It is always advisable to check adhesion by testing on a sample area before use.

## Priming

No priming is necessary. To assist the membrane in fully wetting out the substrate, the background may be dampened. There should not be any standing water or water droplets on the surface.

## Application

PermaSEAL Liquid DPM may be applied by brush, roller or airless spray. Allow the first coat to become touch dry, typically 1-2 hours before applying the second coat. The second coat should be applied within 24 hours of applying the first coat. We recommend that subsequent coats are applied at right angles to the previous coat.

When applying screeds, renders or plaster the highest adhesion results are obtained if the material is applied as soon as PermaSEAL Liquid DPM is touch dry.

Alternatively, the tacky surface of PermaSEAL Liquid DPM can be blinded with kiln dried sand 0.3 -0.6mm to provide a mechanical key to the subsequent coating.

In some situations, e.g. at high stress points such as wall/floor junctions it is beneficial to use a 0.5mm thick fabric (scrim) reinforcement. Such fabric as polypropylene or polyester is suggested. By choosing a fabric approximately 0.5mm thick and ensuring that the mesh is completely covered the minimum coating thickness of 0.6mm will be automatically achieved. The incorporation of fabric usually increases the tensile strength but decreases the extensibility.

The fabric is rolled into the first wet coat after it has been allowed to go tacky and then coated with an additional coat of PermaSEAL Liquid DPM.

## Coverage

For the membrane to give maximum protection the thickness of the dried material should be 0.6mm. To achieve this, apply two coats each at a coverage rate of 0.5 litres /m<sup>2</sup>. The required quantity of material may vary depending on the substrate texture and absorption.

**Permagard Products Ltd**  
Units B2-B5, Worthy Road  
Chittening Industrial Estate  
Avonmouth  
Bristol, BS11 0YB

+44 (0)117 982 3282  
sales@permagard.co.uk

## Application Notes

Stir well before and during use. PermaSEAL Liquid DPM should not be applied in wet conditions or where these conditions are likely to occur before the membrane has fully dried. PermaSEAL Liquid DPM should not be applied when the temperature of the background or the air temperature is below 7°C or above 25°C. PermaSEAL Liquid DPM should not be applied over other coatings.

## Drying Time

Typically, 1-2 hours between coats. Allow 72 hours before attempting any ponding or submersion tests. Please note PermaSEAL Liquid DPM is not a trafficable surface and should not be left exposed as a floor covering.

## After Use

Remove as much product as possible from application equipment before cleaning. Clean equipment immediately after use with warm soapy water and rinse thoroughly. Replace lid firmly. Some local authorities have special facilities for the disposal of waste coatings. Do not empty into watercourses.

## Storage

Seal the container fully after use. PermaSEAL Liquid DPM should be protected from frost and freezing and stored in ambient conditions between 5°C and 25°C, in a well-ventilated environment.

## Typical Membrane Properties

### Resistance to Pressurised Water Penetration

0.6mm thick dry film of the membrane will resist a water pressure of 0.2N/mm<sup>2</sup> (equivalent to 20 metres head of water).

### Limitations

PermaSEAL Liquid DPM is not intended as a trafficable surface. It is not suitable for use in situations under negative water pressure such as basements and other below ground situations. For these applications, please speak with our technical team.

## Health & Safety

PermaSEAL Liquid DPM is classified as non-hazardous under current EC regulations. For further details please consult the safety data sheet.

All Permagard® products are of a high quality and subject to rigid quality control. The company, however, cannot govern the conditions of usage and application of its products and any warranty, written or implied covers material only. The information contained in this leaflet is given in good faith but no liability can be assumed by the Company for any damage, loss, injury or patent infringement arising from its use.