

# Technical Data Sheet

## Liquid Epoxy DPM

Epoxy resin damp-proof membrane



### Description

Liquid Epoxy DPM is a two-component, solvent free, low odour epoxy resin membrane that is tolerant of residual moisture in concrete floors. This enables earlier access onto the floor for the application of screeds, coatings and other floor coverings including tiles, vinyl, wood and carpets. It has good chemical resistance to mild chemical attack but is designed to be over-coated with other resin finishes.

Liquid Epoxy DPM can be used on concrete floors and fine concrete screeds, of not less than 50mm thick in the case of un-bonded screeds. The surface should be of sufficient quality and mechanical strength to ensure an even coating.

The product can also be applied to polymers, screeds and certain types of smoothing under-layments, provided these are well bonded. These under-layments must be stable to the effects of water. If not then the concrete floor must contain an integral damp-proof membrane to prevent further ingress of water from the ground.

Where the product is laid onto a concrete surface where there is no DPM or where damage may have rendered the DPM ineffective you should give due consideration to the possible presence of hydrostatic pressure and the consequences of creating a barrier layer resulting in the pressure/water flow being directed elsewhere.

### Preparation

Concrete surfaces must be prepared by scarifying, vacuum shot-blasting, planning or other suitable method if not in good, sound condition. All traces of concrete hardeners or other contaminants must be removed. The surface must be thoroughly vacuumed to remove concrete dust and be free from liquid water before application of the product and the atmosphere should not be condensing.

### Application

Mix the two components, hardener and base, together using a slow speed power stirrer ensuring the product is thoroughly mixed, is consistent and has no streaks. Apply the mixed material using a lambswool roller. Where multiple coats are required, the system should be built up, allowing not less than 12 hours and not more than 48 hours between coats. Further applications of the topcoat, screed, self smoothing epoxy or other floor covering may then be applied.

### Hygiene

The product is manufactured from resins and hardeners which are normally safe to use but it is not advisable to allow the product to set on the skin and we would recommend the use of barrier creams and polythene gloves. Consult MSDS for full Health & Safety recommendations.

### Specification:

The number of coats required is determined on the basis of hygrometer readings in accordance with BS 8203 as per the following table.

Relative Humidity 75-85 – 1 coat  
Relative Humidity 85-92 – 2 coats  
Relative Humidity 93-97 – 3 coats

### Physical Properties

Coverage: 20m<sup>2</sup> per 5 kilo unit at 250 microns dry film thickness  
Solids content: 100%  
Application & storage temperature: 5 – 30 C

Date: May 2010

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### Permagard Products Limited

Chittingen Industrial Estate, Avonmouth, Bristol. BS11 0YB.

Tel: 0117 9381596

Web: [www.pemagard.co.uk](http://www.pemagard.co.uk)

Email: [sales@pemagard.co.uk](mailto:sales@pemagard.co.uk)



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