

## Hydraseal DPM



### Colors

Supplied as Clear

### Description

Hydraseal DPM is a solvent and water free, epoxy resin, liquid applied surface vapor barrier. Designed to be applied to concrete with residual moisture or green concrete.

### Uses

It allows immediate installation of moisture sensitive floor finishes onto green concrete which has a moisture content of up to 99% relative humidity.

### Benefits

- Reduces project timescale, allows early installation of floor finishes
- Impervious to water
- Excellent adhesion to concretes and screeds
- Tolerates up to 99% relative humidity in the concrete substrate
- Easy to apply
- 100% Solids, low odor
- The Hydraseal DPM System can be used for either heavy duty industrial or medium to light duty commercial applications.

### Project References

Air Logistics, Jet Aviation, BP Amoco, VAM, Paxair.

## Model Specification

Product: Hydraseal DPM

Thickness: 16 – 20 mil (approx.)

2 coat surface Hydraseal DPM to be supplied and laid on a sound shotblasted and vacuum cleaned in situ concrete slab.

Preparatory work and application in accordance with manufacturer's instructions.

Supplier: Flowcrete North America, Inc.

Telephone : Customer Service 936 539 6700

## Note:

Hydraseal DPM is not designed to resist hydrostatic water pressure. In such circumstances external tanking or pressure relief, by e.g. directed drainage, must be provided to the structure.

## Substrate Requirements

Concrete or screed substrate should be a minimum of 3,625 psi and free from rising damp and ground water pressure, laitance, dust and other contamination. The substrate should be surface dry before the application of Hydraseal DPM.

## Products Included in this System

### Hydraseal DPM

DPM 1<sup>st</sup> Coat: Hydraseal DPM @ 200 sq ft/ gal

DPM 2<sup>nd</sup> Coat: Hydraseal DPM @ 200 sq ft/ gal

### Sand Scatter required for Mortar finishes only:

For a resin mortar:

Silica Sand grade 10/16 (1 – 1.7 mm) @ 0.1 lb/sq ft

For a cement:

Silica Sand grade 10/16 (1 – 1.7 mm) @ 0.4 lb/sq ft

Detailed application instructions are available upon request.

## Overlaying

Resin floor finishes can be laid directly onto Hydraseal DPM. If there is no sand blind applied to the Hydraseal DPM, then the resin floor finish should be applied within 24 hours of the application of the Hydraseal DPM.

For direct bonding to Hydraseal DPM, the adhesive manufacturer should be consulted to determine if a sanded or unsanded finish is required.

## Installation Service

The installation should be carried out by a Flowcrete preferred contractor with a documented quality assurance scheme.

Obtain details of our preferred contractors by contacting our customer service team or enquiring via our web site

[www.flowcrete.us](http://www.flowcrete.us)

## Technical Information

The figures that follow are typical properties achieved in laboratory tests at 68°F and at 50% Relative Humidity.

|  |  |
|--|--|
| <b>Vapor Permeability to ASTM E96:90</b> | 5 gms / m <sup>2</sup> / 24 hrs                                  |
| <b>Water Permeability</b>                | Nil – Karsten test (impermeable)                                 |
| <b>Compressive Strength</b>              | 7,250 psi (ASTM C579)  |
| <b>Flexural Strength</b>                 | 2,900 psi (ASTM C580)  |
| <b>Tensile Strength</b>                  | 2,175 psi (ASTM C307)  |
| <b>Bond Strength</b>                     | Greater than cohesive strength of 3,625 psi concrete, > 220 psi. |
| <b>VOC</b>                               | 26 g/l   |

## Environmental Considerations

The finished system is assessed as non-hazardous to health and the environment. The controlled moisture vapor permeability provided by Hydraseal DPM enhances the service life of the flooring system, reducing the need for repairs and maintenance. Environmental and health considerations are controlled during manufacture and application of the products by Flowcrete staff and fully trained and experienced contractors.

## Important Note - Warranty

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to our standard Warranty, Terms and Conditions of Sale, copies of which can be obtained on request. Warranty does not cover suitability, fit for purpose or any consequential or related damages. Please review warranty in detail before using products.

## Further Information

To ensure you are specifying a fit for purpose flooring for your project please consult our Technical Advisors on the number below or visit our website to register your interest in specifying one of the most durable floors on the market.

**Disclaimer:** Any recommendation or suggestion relating to the use of the products made by Flowcrete North America, Inc., whether in its technical literature, or in response to a specific enquiry, or otherwise, is based upon data believed to be reliable, however the products and information are intended for use by Customers having requisite skill and know-how in the industry and therefore it is for the Customer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that the Customer has done so at its sole discretion and risk.

