

## Hydraseal DPM

### Product sheet

#### Product description

A 2-component, solvent free, epoxy resin primer for damp cementitious substrates that has a Relative Humidity up to 100% (to BS 8204).

#### Uses

Hydraseal DPM is used when the substrate is damp and normal Flowcrete primers cannot be used. Hydraseal DPM permits the installation of Flowcrete coatings on top of concrete substrates that have a relative humidity of up to 100%. However, the surface must be dry; no moisture may be visible on the surface.

#### Environment & Health

Hydraseal DPM is solvent and nonylphenol free and practically odourless during application. Follow the appropriate Occupational Health and Safety guidelines applicable to the location where the application is undertaken.

For more information, please refer to the safety datasheets for the individual components.

#### Ratio of components

2.4 parts of Hydraseal DPM Base A are mixed with 1 part of Hydraseal DPM Hardener B, by weight.  
2 parts of Hydraseal DPM Base A are mixed with 1 part of Hydraseal DPM Hardener B, by volume.

Add all of Hardener B to Base A. Mix with slow speed drill and helical spinner, taking care not to entrain air.

#### Bulk supply

An IBC mixer (which can be purchased from Flowcrete) must be used with the bulk base component to re-disperse any settlement caused by transport and/ or storage. Decant the required weights of components and mix with a slow speed drill and helical spinner, taking care not to entrain air.

#### Application temperature

The recommended material and substrate temperature is 10 - 25°C, but no less than 5°C. The temperature of the substrate should exceed the "dew point" by 3°C during application and hardening. Temperatures should not fall below 5°C in the 24hrs after application.

#### Application time/pot life

Ready-mixed product should be used within 35 minutes at a temperature of 20°C. At higher temperatures the application time is shorter.

#### Consumption of materials

First Coat: Hydraseal DPM (Red) @ 0.28 kg/m<sup>2</sup>

Second Coat: Hydraseal DPM (Yellow) @ 0.22 kg/m<sup>2</sup>

A sand scatter is required into the final coat for screed finishes:

For a **resin** screed topping scatter dry Silica Sand/Quartz grade 1-2mm @ 0.5 kg/m<sup>2</sup> (approx.)

For a **cement** screed topping scatter dry Silica Sand/Quartz grade 1-2mm @ 2 kg/m<sup>2</sup> (approx.)

Hydraseal DPM can be used in one coat application as a moisture suppressant for Relative Humidities up to 85% RH only.

Hydraseal DPM (Red) @ 0.33 kg/m<sup>2</sup>

A sand scatter is required into the wet coating for screed finishes:

For a **resin** screed topping scatter dry Silica Sand/Quartz grade 1-2mm @ 0.5 kg/m<sup>2</sup> (approx.)

For a **cement** screed topping scatter dry Silica Sand/Quartz grade 1-2mm @ 2 kg/m<sup>2</sup> (approx.)

Hydraseal DPM (Natural) can be used as a moisture suppressant primer for Deckshield polyurethane systems for Relative Humidity up to 95% RH only.

Hydraseal DPM (Natural) @ 0.5 kg/m<sup>2</sup> (total for one coat, dependent upon substrate porosity & profile)

Scatter: Dorsilit Natural Quartz @ 0.3 kg/m<sup>2</sup>  
0.3-0.8 mm (size 8)

### Curing time (at 20°C)

Can be overcoated after 10 hours (16 hours at 10°C).

Maximum overcoating time is 7 days (take into account any accelerating effects of heat from the sun).

The product is fully hardened after 5 - 7 days.

### Colours

Red and Yellow. Natural.

### Solids content

Approx. 100 %.

### Density

Component A approx. 1.2 kg/l.

Component B approx. 1.0 kg/l.

A+B approx. 1.1 kg/l.

### Storage

Storage temperature between 5°C and 40°C.

12 months in unopened packs for Components A and B.

Protect from weather and moisture/contaminant ingress.

### Packaging

The product is delivered A+B in the following packs :

Unit		Hydraseal DPM Base A	Hydraseal DPM Hardener B
6 kg	(5.5 litres)	4.2 kg	1.8 kg
12 kg	(10.7 litres)	8.5 kg	3.5 kg
1077 kg (Semi)	(979 litres)	760 kg	317 kg

*Any suggested practices or installation specifications for the composite floor or wall system (as opposed to individual product performance specifications) included in this communication (or any other) from Flowcrete UK Ltd constitute potential options only and do not constitute nor replace professional advice in such regard. Flowcrete UK Ltd recommends any customer seek independent advice from a qualified consultant prior to reaching any decision on design, installation or otherwise.*