

Hydraseal DPM

Product description

Hydraseal DPM is a 2-component, solvent free, epoxy resin primer for damp cementitious substrates of Relative Humidity up to 100% (according to BS 8203, surface-dry)

Features and key benefits

- Very good adhesion to cementitious substrates
- Moisture tolerant up to 100% (BS 8203)

Product Information

Applications

As a primer for cementitious substrates when conventional primers are not suitable due to high moisture content. Can be applied on damp (dark-wet) concrete substrates as long as there is no visible moisture or standing water.

Certificates and approvals

CE according to EN 1504-2 (when used as part of complete system)

OS-8 Certificate (as part of Deckshield ID OS-8 system)

OS-13 Certificate (as part of Deckshield ID OS-13 system)

OS-11a Certificate (as part of Deckshield ED2 OS-11a system)

Environment and health

Hydraseal DPM is a solvent free product 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.

Technical Information

Technical Characteristics (liquid state)

Appearance	A: Pigmented (for Red and Yellow) or milky-white, semi-transparent, liquid B: Amber or brown-coloured liquid
Mixing ratio (A/B)	2.4 / 1 by weight 2 / 1 by volume
Solid content	~100 %
Density at +23°C (EN ISO 2811)	1.1 kg/dm ³ (mixed A/B) 1.2 kg/dm ³ (A) 1.0 kg/dm ³ (B)
Pot life / processing time at +20 °C:	~35 min
Curing time at +20 °C:	Light foot traffic: after 10 hours Full cure: after 5-7 days
Overcoat time at +20 °C:	From 10 hours till full chemical cure.

Colour

Natural, Red, Yellow

Packaging

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

Unit	Hydraseal DPM Base A:	Hydraseal DPM Hardener B
12 kg (10.9 liters)	8.47 kg	3.53 kg
24 kg (21.8 liters)	16.94 kg	7,06 kg

Bulk packaging available upon request.

Storage

Store in dry area, in unopened, original containers in temperatures +5 °C to +40 °C. Protect from freezing, direct sunlight, moisture or contaminant ingress.

Shelf Life

12 months from manufacture day (on the package) when stored in the original, unopened pack.

Usage Guidelines

Application Conditions

Ambient temperature range:	+ 15 °C - +25 °C
Substrate temperature range:	+ 10 °C - +25 °C
Ambient relative humidity:	Below dew point
Substrate relative humidity	100% RH BS8203, surface-dry

- To ensure best application behaviour of material it is recommended to condition the containers for at least 24 hours in +15 °C - +25 °C prior to application.
- In abovementioned temperatures resin flow is optimized for best application effect and assumed material consumptions can be maintained.
- **During application and initial curing of product, substrate temperature needs to be at least 3°C higher than dew point temperature.**
- Do not allow ambient temperature to drop below +5°C during first 24 hours after application.

Surface Preparation

Substrate needs to be free of laitance and other contaminants that could reduce bond strength of applied coatings. Surface should be prepared by mechanical means – e.g. by shotblasting, grinding, milling etc. All cracks and floor damage has to be repaired before installation of flooring.

Detailed requirements for substrate and other application conditions can be found in **Substrate Requirements for Flowcrete Floor Systems**.

Mixing

Stir Base A before adding Hardener B. Carefully empty Hardener B into Base A. Mix using a low-speed mixer and helical spinner and ensure that the material is thoroughly mixed, taking care not to entrain air. Finally pour the material into another container and mix for a further minute before application.

Bulk packaging note: An IBC mixer 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.

For further information contact our Technical Department.

Application

Pour mixed material onto the substrate in stripes and apply using a rubber squeegee and/or roller with medium length bristles and ensure that the primer is worked down into all the irregularities of the substrate.

Wait till first layer of primer becomes tack-free before overcoating.

Make sure that cured layer is free from pinholes. Otherwise, additional primer coat will be required.

Final coating should be scattered with appropriate sand grade (see **Coverage** paragraph below) whilst still wet.

Coverage

Hydraseal DPM is typically applied in two variants:

1. One-coat, moisture suppressant (substrates of RH <5,2% TRAMEX/ <85% BS8203):

Hydraseal DPM (Red/Natural): **~0.33 kg/m²**

2. Two-coat DPM layer (substrates of RH ≤100% BS8203):

First Coat: Hydraseal DPM (Red): **0.28 kg/m²**

Second Coat: Hydraseal DPM (Yellow): **0.22 kg/m²**

In both cases, kiln dry Silica Sand/Quartz scatter is required into the final wet coating to allow application of screed finishes:

For a resin screed topping: 0,2-0,8 mm grade (or similar) **~0.5 kg/m²**

For a cement screed topping: 1-2 mm grade (or similar) **~2 kg/m²**

See individual System Specification/Application Manual for more details.

Cleaning

Uncured material can be cleaned using solvent (acetone, xylene), cured remains can be removed only by mechanical means.

Technical Service

Contact Tremco CPG UK

Guarantee

Tremco CPG UK warrants all goods to be free from defects and will replace materials proven to be defective but makes no warranty as to appearance of colour. The information and recommendations herein are believed by Tremco CPG UK to be accurate and reliable.