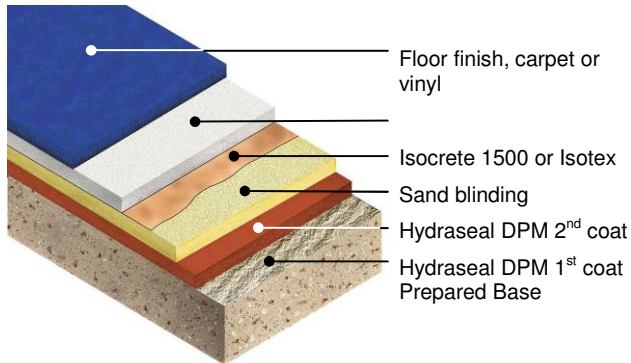
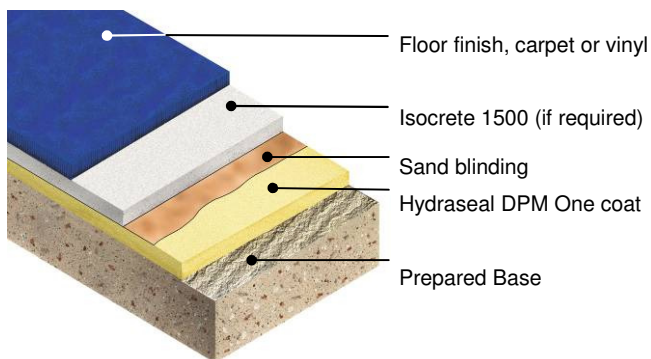


Hydraseal DPM (Surface Damp Proof Membrane)

TYPICAL SECTION THROUGH HYDRASEAL DPM



TYPICAL SECTION THROUGH HYDRASEAL ONE COAT



Description

A two-component, solvent free, epoxy resin, liquid applied surface damp proof membrane.

Uses

Hydraseal DPM

Allows immediate installation of moisture sensitive floor finishes onto concrete and screeds which have moisture content up to 99% relative humidity.

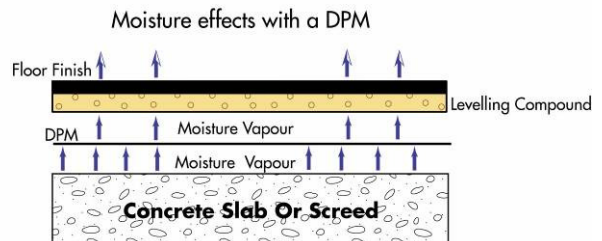
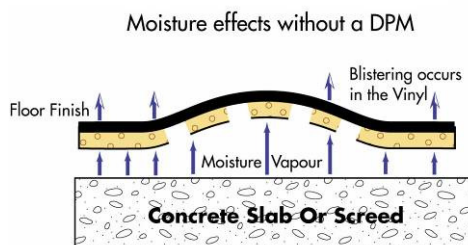
Hydraseal One Coat

Allows immediate installation of moisture sensitive floor finishes onto concrete and cementitious screeds which have a moisture content of up to 85% Relative Humidity.

Benefits

- Reduces project timescale.
- Impervious to water.
- Excellent adhesion to concrete and screeds.
- Tolerates up to 99% relative humidity in the concrete or screed substrate.
- Easy to apply.
- Contrasting colour coats allow visual control of Hydraseal membrane uniformity in laying.
- Solvent free, low odour.

System Design



Model Specification

Product: Hydraseal DPM

Thickness: 0.5mm

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

Product: Hydraseal One Coat

Thickness: 0.5mm

One coat moisture suppressant to be supplied and laid on a sound shotblasted and vacuum cleaned in situ concrete slab (not exceeding 85% Relative Humidity)

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

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

Old or new concrete must be clean and mechanically sound, free of dust, laitance and oil contamination. It is important that a profile is created via enclosed shotblasting or scarifier.

Products Included in this System

Hydraseal DPM

DPM 1st Coat: Hydraseal DPM (Red) @ 0.4kg/m²

DPM 2nd Coat: Hydraseal DPM (Yellow) @ 0.3kg/m²

Sand Scatter required for screed finishes:

For a resin: Silica sand grade 10/16 (1-1.7mm) @ 0.5kg/m²

For a cement: Silica sand grade 10/16 (1-1.7mm) @ 2kg/m²

Hydraseal One Coat (for <85% RH only)

Moisture suppressant: Hydraseal DPM (Red) @ 0.33kg/m²

Sand Scatter required for screed finishes:

For a resin:
Silica sand grade 10/16 (1-1.7mm) @ 0.5kg/m²

For cement:
Silica sand grade 10/16 (1-1.7mm) @ 2kg/m²

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.

Technical Information

The figures that follow are typical properties achieved in laboratory tests at 20 °C and at 50% Relative Humidity.

Vapour Permeability:	5 gms/m ² /24 hrs to ASTM E96:90
Water Permeability:	Nil-Karsten test (impermeable)
Compressive Strength:	50 N/mm ² (BS6319)
Flexural Strength:	20 N/mm ² (BS6319)
Tensile Strength:	15 N/mm ² (BS6319)
Bond Strength:	Greater than cohesive strength of 25 N/mm ² concrete > 1.5mPa

Speed of Cure

	10°C	20°C	30°C
Pot Life	60mins	35mins	20mins
Light traffic	24hrs	18hrs	12hrs
Full traffic	72hrs	48hrs	36hrs

Life Expectancy

Hydraseal DPM is in practice a permanent membrane to protect final finishes from moisture related damage for the life of the floor, subject to there being no structural movement nor failure of the concrete slab, no severe thermal cycling nor exposure to temperatures above 50°C.

Focus on the Floor-zone

Flowcrete Group plc are world leaders in specialist industrial and commercial flooring. Systems available include: underfloor heating systems, floor screeds, surface damp proof membranes, decorative floor finishes, seamless terrazzo, car park deck waterproofing, tank lining systems... to name just a few. Our objective is to satisfy your Floorzone needs.

Installation Service

The installation should be carried out by a Flowcrete approved contractor with a documented quality assurance scheme. Obtain details of our approved contractors by contacting our customer service team or enquiring via our web site www.flowcrete.com.

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.

Durban

176 Voortrekker Street
Jacobs
Durban
Kwa Zulu Natal
Tel: +27 31 461 3411
Fax: +27 31 461 3475
Email: southafrica@flowcrete.com
Flowcrete SA (Pty) Ltd is a subsidiary of Flowcrete Group plc

Johannesburg

47 Forge Road
Spartan
Gauteng
Tel: +27 11 394 1980
Fax: +27 11 394 3003

Cape Town

1A Gabriel place
Cnr Gabriel & Main Road
Plumstead
Cape Town
Tel: +27 21 797 0214
Fax: +27 21 761 6664