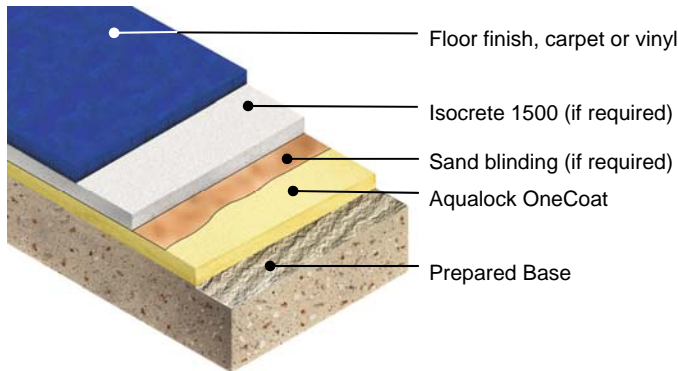


Aqualock OneCoat (Surface Damp Proof Membrane)

TYPICAL SECTION THROUGH AQUALOCK ONECOAT



Description

A solvent and water free, epoxy resin, liquid applied surface damp proof membrane. Designed to withstand moisture vapour from substrates.

Uses

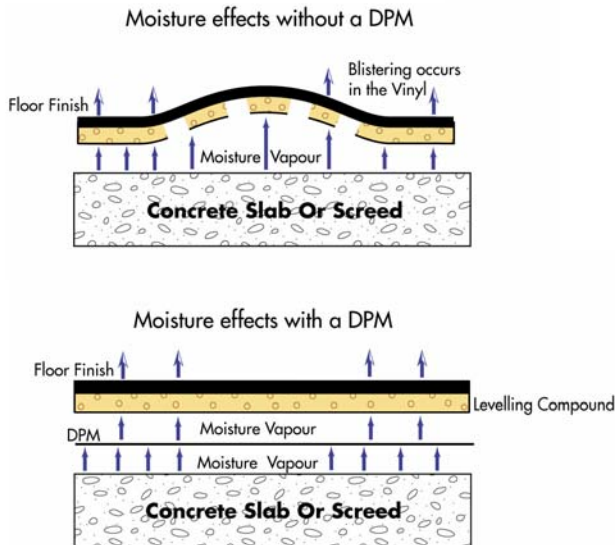
Allows immediate installation of moisture sensitive floor finishes onto concrete and cementitious screeds which have a moisture content of up to 97% Relative Humidity, surface dry (as per BS 8204-6).

Benefits

- Reduces project timescale, allows early installation of floor finishes
- Impervious to water
- Excellent adhesion to concretes and screeds
- Tolerates up to 97% Relative Humidity in the concrete or screed substrate
- Easy to apply
- Solvent free, low odour
- Excellent gap filling properties
- Contrasting colour allows for visual control of the Aqualock OneCoat membrane uniformity in laying
- The Aqualock OneCoat System can be used for medium to light duty commercial applications.
- With Aqualock OneCoat, Isocrete 1500 high strength (30 N/mm²) levelling screed and Flowcrete resin finish, the entire floor construction is available from one supplier.

Colours

Black



Model Specification

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

Manufacturer: Flowcrete UK Ltd

Telephone: Customer Service +44 (0)1270 753000

Concrete substrates up to 97% RH:

Thickness: 0.35 mm (approx.)

One coat moisture suppressant, to be supplied and laid on a sound shotblasted and vacuum cleaned in situ concrete slab (not exceeding 97% Relative Humidity).

Concrete substrates up to 92% RH:

Thickness: 0.25 mm (approx.)

One coat moisture suppressant, to be supplied and laid on a sound shotblasted and vacuum cleaned in situ concrete slab (not exceeding 92% Relative Humidity).

Note:

Aqualock OneCoat 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 25N/mm², free from laitance, dust and other contamination. The substrate should be surface dry before the application of Aqualock OneCoat.

Products Included in this System

Aqualock OneCoat (for < 97% RH only)

DPM: Aqualock OneCoat @ 0.5 kg/m²

Sand Scatter required for screed finishes:

For a resin screed only:

dry Silica Sand/Quartz grade 1-2mm @ 0.5 kg/m²

For a pumpable cement levelling screed only:

dry Silica Sand/Quartz grade 1-2mm @ 2 kg/m²

Aqualock OneCoat (for < 92% RH only)

DPM: Aqualock OneCoat @ 0.42 kg/m²

Sand Scatter required for screed finishes:

For a resin screed only:

dry Silica Sand/Quartz grade 1-2mm @ 0.5 kg/m²

For a self levelling cement screed only:

dry Silica Sand/Quartz grade 1-2mm @ 2 kg/m²

Note. Sand scatters must not be used for an impermeable topping/ finish.

Detailed application instructions are available upon request.

Installation Service

The installation should be carried out by a Flowcrete approved contractor. Obtain details of our approved contractors by contacting our customer service team or enquiring via our website www.flowcrete.co.uk

Technical Information

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

Reaction to fire	E _{FL}	EN 13501-1
Bond Strength	>1.5 N/mm ²	EN 13892-8
Adhesion on wet concrete	>1.5 N/mm ²	EN 13578

Speed of Cure

	10°C	20°C	30°C
Pot life	90 mins	45 mins	25 mins
Light traffic	20 hrs	6 hrs	4 hrs
Full traffic	72 hrs	48 hrs	36 hrs

Overlaying

Resin rich floor finishes (e.g. coatings) can be laid directly onto Aqualock OneCoat. If there is no sand blind applied to the Aqualock OneCoat, then the resin floor finish should be applied within 24 hours of the application of the Aqualock OneCoat.

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

Life Expectancy

Aqualock OneCoat 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 80°C.

Environmental considerations

The finished system is assessed as non-hazardous to health and the environment. The controlled moisture vapour permeability provided by Aqualock OneCoat 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 Notes

Flowcrete's products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which can be obtained on request.

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.