

Aqualock OneCoat

A solvent and water free, epoxy resin, liquid applied surface damp proof membrane, that withstands moisture vapour from substrates.



Adhesion:

Exhibits excellent adhesion to concretes and screeds.



Reduces Project Timescale:

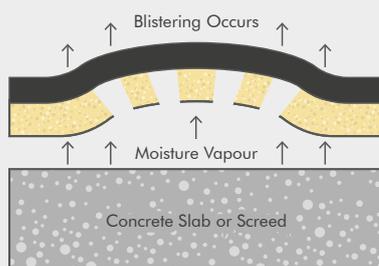
Allows for early installation of floor finishes.



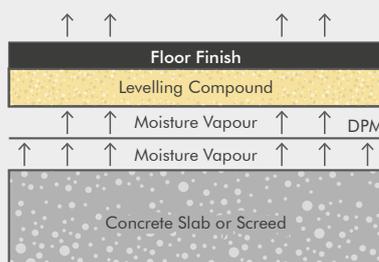
Full Package:

Available with screed and floor finish for a single-source construction.

Moisture Effects - Without DPM



Moisture Effects - With DPM



Technical Profile*

REACTION TO FIRE

EN 13501-1	E _{fl}
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BOND STRENGTH

EN 13892-8	>1.5 N/mm ²
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ADHESION ON WET CONCRETE

EN 13578	>1.5 N/mm ²
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THICKNESS

Concrete substrates up to 97% RH	0.35 mm (approx.)
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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	0.25 mm (approx.)
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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).

OVERLAYING

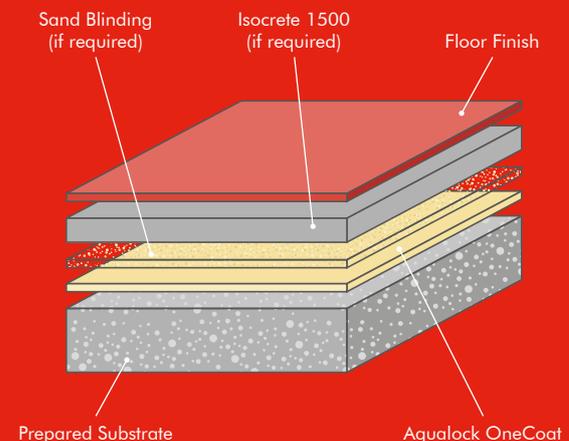
Resin rich floor finishes (e.g. coatings) can be laid directly onto Aqualock OneCoat. If there is no sand blind applied to the Aqualock OneCoat, then the resin floor finish should be applied within 24 hours of the application of the Aqualock OneCoat.

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

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

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



Model Specification

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

Products Included In This System

Aqualock OneCoat (for <97% RH only)	
DPM:	Aqualock OneCoat @ 0.5 kg/m ²
Sand Scatter required for screed finishes:	<u>For a resin screed only:</u> dry Silica Sand/Quartz grade 1–2 mm @ 0.5 kg/m ² <u>For a pumpable cement levelling screed only:</u> dry Silica Sand/Quartz grade 1–2mm @ 2 kg/m ²
Aqualock OneCoat (for < 92% RH only)	
DPM:	Aqualock OneCoat @ 0.42 kg/m ²
Sand Scatter required for screed finishes:	<u>For a resin screed only:</u> dry Silica Sand/Quartz grade 1–2mm @ 0.5 kg/m ² <u>For a self levelling cement screed only:</u> dry Silica Sand/Quartz grade 1–2mm @ 2 kg/m ²

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

Detailed application instructions are available upon request.

Substrate Requirements

Concrete or screed substrate should be a minimum of 25 N/mm², free from laitence, dust and other contamination. Substrate should be surface dry before the application of Aqualock OneCoat.

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.

Installation Service

The installation should be carried out by a licensed contractor with a documented quality assurance scheme. For details of our licensed contractors, contact your local Flowcrete office. Detailed application instructions are available upon request.

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 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 installing the products.

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.

System Datasheet written for Flowcrete UK Ltd. Please consult Technical Team in your own country region for specific details. [05/12/18, 01 UK]