

Aqualock OneCoat

Product sheet

Product description

Aqualock OneCoat is a 2-component, solvent free, epoxy based damp proof membrane.

Uses

Aqualock OneCoat is used in a single coat application when the substrate is damp and normal Flowcrete primers cannot be used. Aqualock OneCoat permits the installation of Flowcrete coatings on top of concrete substrates that have a relative humidity of up to 97% (tested in accordance with BS 8203). However, the surface must be dry; no moisture may be visible on the surface.

0.42 kg/m² system for concrete substrates **up to 92% RH** (thickness approx. 250 microns)

0.5 kg/m² system for concrete substrates **up to 97% RH** (thickness approx. 350 microns)

Suitable with underfloor heating (suitable for heated concrete and sand cement screeds (provided the surface temperature does not exceed 27°C in accordance with BS 8203 and BS 5325).

Note. Aqualock OneCoat can be used for resin rich coatings and primers e.g. Flowcoat SF41, Peran SL, Peran STC. For cementitious product and screeds, use two coats of Hydraseal DPM with a sand scatter in the second layer (see technical information for Hydraseal DPM).

Environment & Health

Aqualock OneCoat 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

3.4 parts of Aqualock OneCoat Base A are mixed with 1 part of Aqualock OneCoat Hardener B, by weight.

Stir the Base A and Hardener B components before adding all of Hardener B to Base A. Mix with slow speed drill and helical spinner, taking care not to entrain air.

Note. Mix for 4-5 minutes to obtain a consistent and uniform grey colour. Ensure all materials from the base and sides of the containers are mixed in thoroughly to ensure complete curing.

Application temperature

The recommended material and substrate temperature is 15 - 25°C, but no less than 5°C.

Condition the product components by storing for 24 hours at 15-25°C (application will be more difficult in cooler temperatures).

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 60 minutes at a temperature of 20°C.
At higher temperatures the application time is shorter.

Note: Do not mix more units that can be applied within the working pot life.

Curing time (at 20°C)

Can be overcoated after 6 hours (14-20 hours at 10°C)
Maximum overcoating time is 24 hours (take into account any accelerating effects of heat from the sun).
The product is fully hardened after 5 - 7 days.

Colours

Base A: Black
Hardener B: Clear Amber Liquid
When mixed: Slate Grey

Solids content

Approx. 100 %.

Density

Component A approx. 1.8 kg/l.
Component B approx. 1.0 kg/l.
A+B approx. 1.6 kg/l

Storage

Storage temperature between 5°C and 30°C
Protect from weather and moisture/contaminant ingress.

Shelf Life

6 months when stored in its original unopened containers

Packaging

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

Unit	Aqualock OneCoat Base A	Aqualock OneCoat Hardener B
25 kg (15.6 litres)	19 kg	6 kg

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