

Concure AB Clear

Water based, Acrylic emulsion curing compound for concrete and mortar

Uses

Provides a curing, sealing and dustproofing compound, which can be used in a wide range of applications:

- High rise construction to eliminate water curing
- Floors, warehouses, slabs and columns
- Dustproofing concrete walls and floors
- Clear sealer for concrete
- Self-curing, primer system to subsequent coverings

Advantages

- Eco-friendly - water based, free from solvent, oils waxes, chlorinated or saponifiable materials
- Excellent moisture retention for freshly placed concrete, resulting in minimising shrinkage cracks
- Suitability for foot traffic
- Versatile - can be applied equally well to freshly placed or existing concrete
- Cost effective - can be over-coated with water based and solvent based acrylic coatings, epoxy coatings, polyurethane coatings.

Standards compliance

Concure AB Clear complies to ASTM C309 Type 1, Class B.

Description

Concure AB Clear is an acrylic polymer based non-degrading, single component curing compound. It is also suitable for use as a sealer and dust proofer for floors and walls.

Specification

Where indicated in the contract documents, the water based curing compound with sealing and dustproofing properties will be Concure AB Clear supplied by Fosroc.



**GreenPro Ecolabel
Certified by CII**

Properties

Colour	: White in appearance, clear after application
Moisture loss (ASTM C156)	: < 0.55kg/m ²
Drying time	: 3hrs @ 23°C (ASTM C135, M 8.3)

Instructions for use

Preparation

Concure AB Clear should be gently stirred immediately prior to use to ensure uniformity of the material as applied.

New concrete

Application to freshly placed concrete should not begin until the surface is free from water, and should not commence at all if bleed water is apparent. Concure AB Clear should be applied as soon as practically possible after removal of shuttering, and whilst the concrete surface is still damp. However, any traces of laitance, grout runs or loose material should be removed.

Application

Concure AB Clear should be applied uniformly by brush, roller or spray, with no overlap of applications. Under standard site conditions, a single coat of Concure AB Clear applied at a uniform rate of 5.0 to 7.5m² per liter. In case of sealing and dustproofing application, 2 coats at the above range must be applied. The second coat should be applied at coverage of 10-15m² per litre.

The applied film should not be trafficked until fully dry, and care should be taken to ensure that the film is not broken.

Spray equipment

Motorised or knapsack spray equipment, which produces a fine spray, is recommended for use with Concure AB Clear.

Cleaning

Spray equipment should be cleaned immediately after use by flushing through with water. Any residual traces of resin which are left in the nozzle may be cleaned with warm water.

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Subsequent finishes

The resin used in Concure AB Clear allows direct application of many floor coverings and paint systems, as given typically below:

- Water based emulsion paints containing PVA, PVC, acrylic co-polymers.
- Bituminous emulsions and solutions
- Thin section polymer modified cement systems
- Epoxy resin coatings which do not rely on penetration for substrate bond
- Polyurethane coating
- Water and solvent based acrylic coatings

Note: In case of sand-cement plaster, treat the curing compound membrane with a wire brush or mechanical grinder, prior to application of plaster.

Estimating Supply

Concure AB Clear	: 20 litre & 235 litre
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Coverage

Coverage figures quoted for Concure AB Clear are indicative; and based upon application to fresh or damp concrete at the appropriate time. Care should be taken to ensure that the concrete is indeed ready to accept the curing membrane.

Application rates outside the range given below may be used if necessary, but it is recommended to first contact your local fosroc office.

Concure AB Clear	: 5 to 7.5 m ² per litre.
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Storage

When stored in warehouse conditions below 35°C, Concure AB Clear has a minimum shelf life of 12 months.

Freezing and exposure to heat and/or direct sunlight should be avoided.

Containers should be kept sealed and airtight to prevent any reduction in shelf life.

Limitations

- Concure AB Clear should only be applied within the temperature range of >5°C and <50°C.

- Any concrete surfaces which receive treatment with Concure AB Clear should not be disturbed until the concrete has gained sufficient strength to bear surface loading.
- Concure AB Clear should not be exposed to moving water, or rain, during application or before it has become tack free.
- Concure AB Clear has been tested for bond to subsequent finishes and found to perform satisfactorily. However, many variations of each individual type of finish exist and it is not possible to test each and every one. It is therefore recommended that an onsite bond test is carried out to determine absolute suitability
- Not recommended for areas intended for heavy traffic immersed conditions.

Technical support

Fosroc provides technical advisory service for on-site assistance and advice on material selection, on-site application methodology and technical training. Reach out to your local Fosroc representative.

Precautions

Health and safety

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - **do not** induce vomiting.

Further information; please consult the relevant Material Safety Data Sheet.

Cleaning and disposal

Spillage of Concure AB Clear should be hosed down with large quantities of water.

The disposal of excess or waste material should be carried out in accordance with local legislation, under the guidance of the local waste regulatory authority.

Reason to use Polymer based curing compound

Polymer curing compounds are ultimately more efficient and cost effective than water because they are a one time, one coat application.



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The alternative, with water curing, is to constantly monitor the concrete surface and replenish with water as and when necessary. During the summer months this can easily become a full time occupation - right through the night - and is very difficult to maintain on vertical or inclined elements.

In contrast, polymer compounds are practical, very easy to apply and produce a constant, controlled rate of cure, which will underwrite the future durability of the concrete.

- More efficient cement hydration - more durable concrete
- Improved surface quality - reduces permeability
- Reduced plastic shrinkage - minimises cracks and repairs

The Concure range

Fosroc has developed the Concure range of concrete curing compounds to suit a variety of concreting applications.

Each Concure product is designed to meet specific site criteria; and each one is classified, according to ASTM C309, as a high performance curing compound. The range itself can be split into two distinct categories:

Wax Based	: Concure WB Clear /White
Acrylic Resin	: Concure AB Clear/White
Resin Based	: Concure LP90M Std



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Important note :

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.

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