

Multi-purpose, acrylic emulsion based curing compound

Uses

It is used as concrete curing compound for all kinds of concrete and dry shake applications. It can be used in a wide range of applications:

- Concrete and dry shake applications
- Shopping malls, industrial areas and car parks which have high foot traffic
- In engineering structures such as highway, metro, tunnel
- High abrasive areas like loading bays aircraft hangars etc
- In structure contact with water such as project improvement concrete
- Surfaces on which coating (plaster, screed, paint, ceramic and epoxy coating) is planned to be applied later

Advantages

- Cost effective, provides advantages over conventional applications
- Easy to apply
- Reduces the risk of cracks
- Increases the abrasion resistance

Standards compliance

Classified to ASTM C309.

Description

Concure AC is acrylic based curing compound with no segregation properties. Packed as a ready to use, White colour, one component liquid.

It is a curing compound suitable for use on all types of concrete, cement based screeds and dry shakes applications, by forming a film layer on the surface, supporting the strength development of concrete, reducing the risk of crack formation, increasing the abrasion resistance of the surface it is applied to.

Specification

Where indicated in the contract documents, acrylic emulsion based multi-purpose curing compound will be Concure AC supplied by Fosroc. As a curing compound, it should be certified according to ASTM C309.

Properties

Form	White liquid
Density	1,01
Curing time	
at 20°C and % 50 RH	2,5 hours
Curing efficiency (BS8110 Part 1:1985)	>%75
Water retention (ASTM C156)	Pass

Instruction for use

Preparation

Concure A 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 AC should be applied as soon as practically possible after removal of shuttering, and whilst the concrete surface is still damp. However, any traces of laitence, grout runs or loose material should be removed.

Application

Concure AC should be applied uniformly by brush, roller or spray, with no overlap of applications. Under standard site conditions, a single coat of Concure AC applied at a uniform rate of 0,15-0,20 kg/m², will meet ASTM C309 curing requirements.

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 AC.

Cleaning

Spray equipment should be cleaned immediately after use by flushing through with water. Cured materials can only be cleaned by mechanical methods.

Packaging	
Concure AC	25 kg jerry can / 1 Ton IBC
Fosroc Solvent 102	4 litre can
Consumption	
Concure AC	0,15 – 0,20 kg/m ²

Coverage figures quoted for Concure AC 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 Fosroc.

Concure AC

Storage

Shelf life

When stored in warehouse conditions below 35°C, Concure AC has a minimum shelf life of 12 months. Freezing and exposure to heat and/or direct sunlight should be avoided.

Limitations

- Any concrete surfaces which receive treatment with Concure AC should not be disturbed until the concrete has gained sufficient strength to bear surface loading.
- Concure AC should not be exposed to moving water, or rain, during application or before it has become tack free.
- Concure AC 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 recommend that an onsite bond test is carried out to determine absolute suitability.
- In applications under wind and sun, a second coat may be required. For detailed information, please consult your local Fosroc Office.

Precautions

Health and safety

Concure AC should not come in contact with the skin and eyes, or be swallowed.

Some people are sensitive to resins, hardeners and solvents. Wear suitable protective clothing, gloves and eye protection. If working in confined areas, suitable respiratory protective equipment must be used. The use of barrier creams provide additional skin protection.

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

Fire

Concure AC is non-flammable.

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:

- General purpose – Concure WB
- Concure RB90
- Dual purpose – Concure DPM
- Concure A

** Denotes the trademark of Fosroc International Limited*

† See separate data sheet



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Important Note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All Fosroc datasheets are updated on a regular basis. It is the user's responsibility to obtain the latest version.

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