Concure LP90

constructive solutions

High efficiency Polymer based film forming curing agent

Uses

As a spray applied membrane to retain moisture in concrete for effective curing.

Suitable for all general concrete applications and of particular benefit for large area concrete surfaces, such as airport runways, roads and bridgeworks.

Advantages

- Improved curing of concrete enhances cement hydration and provides a more durable concrete
- Control of moisture loss improves surface quality, reducing permeability, producing a hard-wearing, dustfree surface and minimising potential for surface cracking and shrinkage
- Light reflective grades minimise solar temperature gain
- Spray application reduces labour costs and eliminates the need for alternative curing systems.

Description

Concure LP90 concrete curing compound is polymer based continuous film forming curing compound and is supplied in various pigmented grades.

Clear : Straw liquid curing to a clear film

Blue : As clear grade but with blue fugitive dye

Specific Gravity : 0.82 - 0.85

When first applied to a fresh cementitious surface the product forms a continuous, non-penetrating coating. This coating dries to a form a continuous film which provides a barrier to moisture loss ensuring more efficient cement hydration, improved durability and reduced shrinkage.

Technical Support

Fosroc provides a technical advisory service to specifiers, end-users and contractors as well as on-site technical assistance in locations all over the country.

Standards compliance

All grades of Concure LP90 give 90% or greater curing efficiency when tested to BS 7542-1992.

Application instructions

Application

Pigmented grades should be stirred before use to ensure even dispersion of pigment.

Concure LP90 should be spray applied to the surface of fresh concrete. Application should begin as soon as the concrete is free from surface water. Do not apply if bleed water is forming or present on the concrete surface.

The spray nozzle should be held approximately 450mm from the concrete surface and passed back and forth to ensure complete coverage. Pump pressure should be maintained to give an even, fine spray.

After spraying, no further application of water or other material is necessary to ensure continued curing. The concrete surface should not be disturbed until it has sufficient strength to bear surface loads. The applied film should not be walked on before it is fully dry and care should be taken to ensure that the film is not broken.

Concure LP90 may also be applied to the surface of newly hardened concrete immediately after demoulding. In such cases the concrete surface should be sprayed with water to saturate it prior to the application of Concure LP90. Dry surfaces may prevent correct film formation and cause absorption of the Concure LP90 which may lead to staining and difficulty in later removal.

Coverage rate

The recommended coverage rate is between 3.5 and 5.0 m^2 / litre (0.200 to 0.285 litres/m^2). Coverage rates outside this recommended range may be used if necessary and suitable to meet specific requirements. Contact local Fosroc office for advice in such cases.

Equipment

Spray equipment producing a fine mist may be used for Concure LP90, such as knapsack or motorised sprayers. The suitability of equipment should be ensured by an application trial.

Equipment cleaning

Spray equipment should be cleaned immediately after use by flushing throughly with Nitoflor Sol.

Concure LP90

Overcoating and removal

Concure LP90 need to be removed from a concrete surface before application of a subsequent coating.

Limitations

Specifications calling for wax or water based curing membranes can be met using Concure WB.

Estimating

Packaging

Concure LP90 is supplied in 20 and 200 ltrs containers.

Storage

Concure LP90 has a minimum shelf life of 6 months, when stored in the original unopened containers under normal warehouse conditions.

Precautions

Health and Safety

Concure LP90 should not be swallowed or allowed to come into contact with skin and eyes. Avoid inhalation of vapours and ensure adequate ventilation.

Suitable protective gloves and goggles should be worn. Some people are sensitive to resins and solvents. Resin Barrier creams provide additional skin protection.

Should accidental skin contact occur, remove immediately with a resin removing cream followed by washing with soap and water - do not use solvent.

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

Fire

Concure LP90 is flammable. Do not expose to naked flames or other sources of ignition.

Flash point : 40^{0}C

Cleaning and disposal

Spillages of Concure LP90 should be absorbed onto sand, earth or vermiculite and transferred to suitable containers.

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

Fosroc Chemicals (India) Pvt. Ltd.

Head Office
Embassy Point, No. 150,
2nd Floor, Infantry Road,
Bangalore 560 001,
Karnataka

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.

telephone	fax	e-mail
+91 80-42521900	+91 80-22281510	enquiry.india@fosroc.com

Regional Offices

Chennai
Hills Centre,Old No 5,
New No 9, 3rd Cross Street,
Jeth Nagar, Raja Annamalaipuram,
Chennai 600 028.
Ph: 9500064795

Mumbai
MBC Park, 12th floor, Office No.12B,
'D' Block, Near G Corp/Hyper City
Kasarwadawali, Ghodbunder Road,
Thane (West) 400 615
Ph: +91 22 6229 6800

Noida
Unit No. 601, Highway Tower-II
A-13/2, 6th Floor, Sector– 62
Gautam Buddha Nagar,
Noida 201 309, Uttar Pradesh
Ph: +91 120 6121900
Fax: 0120-4270622

Kolkata
304, Jodhpur Park
Kolkata 700 068
Ph:+91 33-65343188
Fax: 033-2499-0278

www.fosroc.com