

MAXCURE[®] CC 90

High efficiency Resin Based Concrete Curing Compound



MAXCURE[®] CC 90 concrete curing compound is a polymer based continuous film forming curing compound and is supplied as aluminized polymeric resin solution drying to a silver film on application.

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.

Benefits

- 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, dust free surface and minimizing potential for surface cracking and shrinkage.
- Light reflective grades minimize solar temperature gain.
- Spray application reduces labour costs and eliminates the need of alternative curing system.

Technical Support

Thermax 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

MAXCURE[®] CC 90 gives 90% or greater curing efficiency when tested to BS 7542-1992.

Properties

Specific Gravity	0.9-1.0 gm/cc
Water Loss (ASTM C 156)	<0.4 Kg/m ² @ 72 Hrs
Reflectance (ASTM E 1347)	>60%
Curing Efficiency (BS 7542)	>90%

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

The aluminized grades contain aluminum flakes to meet specifications for reduction of solar temperature gain.

Instructions for Use

Application

MAXCURE[®] CC 90 should be stirred before use to ensure even dispersion of settled material.

MAXCURE[®] CC 90 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 450 mm 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.

MAXCURE[®] CC 90 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 MAXCURE[®] CC 90. Dry surfaces may prevent correct film formation and cause absorption of the MAXCURE[®] CC 90 which may lead to staining and difficulty in later removal.

Coverage rate

The recommended coverage rate is between 3.5 and 5 m²/ltr (0.200-0.285 ltr/m²). Coverage rates outside this recommended range may be used if necessary and suitable to meet specific requirements. Contact local Thermax office for advice in such cases.

Equipment

Spray equipment producing a fine mist may be used for MAXCURE[®] CC 90, such as knapsack or motorized sprayers. The suitability of equipment should be ensured by an application trial.

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Equipment Cleaning

Spray equipment should be cleaned immediately after use by flushing thoroughly with Cleaning Solution.

Overcoating and Removal

MAXCURE[®] CC 90 need not 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 MAXCURE[®] CC 75.

Health and Safety Instructions

MAXCURE[®] CC 90 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.

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.

Fire

MAXCURE[®] CC 90 is flammable. Do not expose to naked flames or other sources of ignition.

Flash point: 40°C

Cleaning and Disposal

Spillages of MAXCURE[®] CC 90 should be absorbed into 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.

Storage

MAXCURE[®] CC 90 has a minimum shelf life of 6 months, when stored in the original unopened containers under normal warehouse conditions.

Packing

MAXCURE[®] CC 90 is supplied in 20 and 235 litre drums.

Coverage

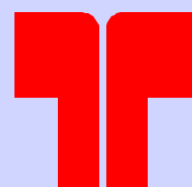
3.5-5 m²/ltr

Other Segments:

- Concrete Admixtures • Surface Treatments • Grouts & Anchors • Repair & Rehabilitation
- Protective Coatings • Industrial Flooring • Waterproofing • Sealants • Adhesives

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