

Product Data Sheet
Edition 07.2008
Identification No. RC - 5



KEMCURE 30D

Resin-based, transparent, concrete curing compound

Description

KEMCURE 30D is a resin – based, transparent, curing compound of a solution of resinous solids in petroleum solvents. It is suitable for spray application to freshly poured concrete.

The resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development. KEMCURE 30D will form a film on concrete assembly which will eventually dissipate after the critical intermediate curing stage is completed. It will allow subsequent applications of materials as paint, coatings, or other finishing's.

Where to use

As a more effective and economical alternative to hessian, water and Polyethene. Curing regimes. Suitable for use on all concrete surfaces.

It can be applied on vertical structural concrete surfaces subjected to air, water view and finishing treatments.

Advantages

- Eliminates the need for water
- Single application
- Reduces drying shrinkage
- High curing efficiency
- Reduced labour costs
- It allows subsequent application of furnishings.

Properties

Appearance	Clear yellowish liquid
Specific gravity	0.87 ± 0.01
Solid content	20%
Boiling Point	154 °C
Application time	2-3 hours
Environmental hazards	None
Application conditions	
Temperature	25-75°C
Humidity	30%

Standards ASTM C309 Type 1 or 1-D Class A or B

How to use

Surface Preparation:

- As soon as the concrete assembly has reached the set stage and the finishing is completed, make sure the surfaces of the concrete assembly are free from ponded water.

Application:

- The KEMCURE 30D should be spray applied as evenly as possible onto the freshly placed concrete.
- For horizontal surfaces, KEMCURE 30D should be applied as soon as the initial surface sheen has disappeared from the concrete surface.
- In the case of formed concrete, KEMCURE 30D should be applied immediately on removal of the formwork.
- Surfaces must be well cleaned before applications if they are left for long periods unprotected.
- KEMBOND A, SBR bonding materials must be utilised to bond subsequent finishes. Please refer to PROKEM's Technical Services Department for approved mix designs.
- If renders of greater thickness than 1cm are to be applied, bond tests should be carried out to determine the proposed bonding method and surface preparation that is required.
- For floor areas, the curing compound must be removed prior to applying subsequent finishes.

Theoretical Coverage:

The recommended rate of application is 0.20-0.25Kg/m².

Packaging:

KEMCURE 30D is available in 5,20Kg pails and 200Kg drums

Shelf life&Storage:

Shelf life is min.1 year when stored under cover, out of direct sunlight and protected from extremes of temperature.

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Health and Safety

- Use gloves to avoid contact with skins.
- If skin comes in contact, wash immediately with soap and water.
- Do not use solvents.
- Eye contamination must be immediately washed with water, then seek medical treatment.
- Working areas should be well ventilated.

Additional Information

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products when there is critical applications that require specific requirements.

For our customer's satisfaction, PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.