

KEMCURE 30D

Resin-Based, Transparent, Concrete Curing Compound

Description

KEMCURE 30 D 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, after 30 days, begins to naturally deteriorate upon regular exposure to sunlight and abrasion that's allow subsequent applications of materials as paint, coatings, or other finishings.

Standards:

Complies with ASTM C 309 – Type 1 or 1-D class A or B.

Where to use

KEMCURE 30D as a more effective and economical alternative to hessian, water and Polythene. 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.

KEMCURE 30D is used :

- Driveways and walkways.
- Surfaces subject to finishing treatments.
- In high rise constructions to eliminate the requirement for water.
- Interior and Exterior Walls.
- Columns, beams and bridges.

Advantages

- **KEMCURE 30D** Forms an integral part of the concrete surface which assists long term curing and gives dust proofing properties.
- **KEMCURE 30D** provides the following advantages :

- Reduces shrinkage and cracking of concrete surfaces.
- Single application reduced labour costs.
- Forms an efficient moisture barrier for optimum curing of concrete.
- High curing efficiency.
- Can be applied quickly and easily with conventional commercial spray equipment.

Properties

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

How to use

Theoretical Coverage:

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

Direction for Use:

Application:

- Uniformly apply **KEMCURE 30D** directly to the concrete surface by spray or roller at the rate specified.
- In the case of formed concrete, **KEMCURE 30D** should be applied immediately on removal of the formwork.
- Apply in a uniform film of **KEMCURE 30D** to the horizontal surfaces as soon as the surface water disappears and the surface will not be marred by walking workmen.
- For floor areas, the curing compound must be removed prior to applying subsequent finishes.
- After application of the **KEMCURE 30D** membrane, the surface should be left undisturbed for at least 3 hours.

- Do not apply **KEMCURE 30D** to dry or semi dry concrete, to ensure the breakdown of the **KEMCURE 30D** film, heavier coating must be avoided. For the application of **KEMCURE 30D** various types of spraying equipment can be supplied.
- The spray nozzle should be held approximately 450 mm from the surface and passed back and forth to effect complete coverage. The pressure on the pump must be maintained at all times to produce a fine spray.

Cleaning:

Immediately after using **KEMCURE 30D** the spraying equipment should be cleaned out specially the line and nozzle with white spirit.

Packaging:

KEMCURE 30D is supplied in 25 kg. Pails or 200 Kg.drums

Shelf life & Storage:

Shelf life at least 12 months, in original sealed containers, also it must be Protect from direct sunlight.

Health and Safety

- **KEMCURE 30D** is non-toxic if come in contact with skin.
- 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.

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 should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction,

PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.

Environmental Considerations

KEMCURE 30D is environmentally safe .