

Product Data Sheet
Edition 07.2008
Identification No. RC - 6



KEMCURE 40 AL

Resin-based, aluminized, concrete curing compound

Description

KEMCURE 40 AL is a resin – based, curing compound of a solution of resinous solids in petroleum solvents with silver heat reflective aluminum pigment. It will form a film on a concrete.

Where to use

It is recommended to be used on engineering projects such as highways, airport, runways and other concrete assemblies exposed to direct sunlight.

Advantages

- It provides 90% or moisture retention.
- It reflects direct sunlight.
- It prevents thermal cracking.
- It reduces labour costs.

Properties

Appearance	Silver liquid
Specific gravity	0.85 ± 0.02
Odor	Petroleum
Flammability	flammable
Environmental hazards	None

Standards ASTM C309, Type 2, 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.

Mixing

- Thoroughly agitate the material immediately prior to use.

Application

• The KEMCURE 40 ALUMINIZED should be spray applied as evenly as possible onto the freshly placed concrete.

• For horizontal surfaces, KEMCURE 40 ALUMINIZED should be applied as soon as the initial surface sheen has disappeared from the concrete surface.

• In the case of formed concrete, KEMCURE 40 ALUMINIZED should be applied immediately on removal of the formwork.

• Cement renders can be applied directly over KEMCURE 40 ALUMINIZED cured surfaces providing it is ensured there is no surface laitance, dirt, oil or grease on the surface.

• Surfaces must be well cleaned 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 0.25 Kg/m².

Packaging

KEMCURE 40 ALUMINIZED is available in 20 Kg 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.