

# KUREKOTE 75

## WATER BASED CONCRETE CURING AND SEALING COMPOUND



### DESCRIPTION

**KUREKOTE 75** is a white, low viscosity membrane which has an alkali reactive emulsion breaking system. This system ensures that the emulsion breaks down to form a non-penetrating continuous film immediately upon contact with a cementitious surface. This impervious film prevents excessive water evaporation which in turn permits more efficient cement hydration, reducing shrinkage and increasing durability. The membrane once formed is degraded when exposed to ultraviolet light over a period of time depending on the condition of exposure.

**KUREKOTE 75** is available in two grades - **CLEAR and WHITE PIGMENTED CLEAR** (ASTM C 309-81 TYPE 1) grade is for all normal temperature climate applications. **WHITE PIGMENTED** (ASTM C 309-81 TYPE 2) contain white pigments to give light reflectance, minimizing solar heat gain and is particularly suitable for use in hot climates.

**KUREKOTE 75** Provides a spray-on temporary membrane to retain moisture in concrete for effective curing, sealing dust proofing and hardening concrete. It is formulated to prevent evaporation of the gauging water and provides an economical and efficient method for curing concrete.

### FEATURES & BENEFITS

- Reduces surface shrinkage and cracking by eliminating moisture loss from exposed surfaces.
- Increases water resistance.
- Enables cement to hydrate more efficiently.
- Reduces tendency of concrete to crack.
- No surface wetting necessary before application to vertical surfaces.
- Non toxic and non flammable.
- Eliminates need for damp hessian, sand or polyethylene.

### BASIC USES

Used for concreting generally, but especially useful for exterior work such as roadways, bridge cracks, airport runways and other surfaces exposed to the sun.

### DIRECTIONS FOR USE

**KUREKOTE 75** is spray applied to the surface of newly placed concrete. The concrete should be free from surface water and the nozzle of the spray should be held approx 450 mm from the concrete surface and passed back and forth to ensure complete coverage. The pump pressure should be maintained at a level producing a fine spray. **KUREKOTE 75** should not be continuously re-circulated through high shear gear pumps when used in concrete train application. If continuous recirculation is essential the sprayer should be fitted with a low shear diaphragm pump. Rate of application will be 160 to 270 ml/m<sup>2</sup> (4.0 - 6.0 m<sup>2</sup>/ltr.)

### SHELF LIFE

12 months when stored at ambient temperature.

### CURING EFFICIENCY (For both grades)

Water loss 0.17 Kg/m<sup>2</sup> applied at 245 ml/m<sup>2</sup> which is considerably more efficient than the maximum permissible water loss of 0.55kg/m<sup>2</sup> in ASTM C 309-81 and 0.39 kg/m<sup>2</sup> in US Federal Specification TT C 800A. 86% when applied at 270 ml/m<sup>2</sup> Modified Dept. of Transport specification for Road and Bridge works: Clause 2709. After a period of approx. 28 days, the film formed on the concrete surface will begin to degrade. The rate of degradation will depend upon initial membrane thickness and the degree of exposure to ultra violet light. 62% for white pigment conforms to ASTM C 309-81 for light reflectance.

### PHYSICAL PROPERTIES

Kurekote 75	CLEAR WHITE	PIGMENTEDED
Bulk Liquid	White	White
Dry Film	Clear	White

Specific Gravity at 20°C	1.02 ± 0.02
Viscosity at 20°C -	8 - 10 cps
Minimum Application Temperature	6°C

<b>COVERAGE</b>	Approximately cover 4m <sup>2</sup> per Liter
<b>PACKAGING</b>	Available in 20 liters pail and 210 drum
<b>COLOR</b>	Clear and White PIGMENTED

## HEALTH & SAFETY

- **KUREKOTE 75** is non-toxic. Wear goggles while spraying. If spilled on the skin, the area of skin should be washed with soap and water.
- Use protective clothing gloves, mask, goggles, etc.
- Avoid inhalation or contact with skin or eyes. In such events remove the person to fresh air, water with clean water over the affected area and call for medical attention.
- Smoking should be strictly prohibited during application. In confined areas of application, breathing equipment should be made available for operatives.

### Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no warranty and or responsibility is assumed on the performance of work completion executed with use of our products.

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