

# CHEMCURE 75

## WATER BASED CONCRETE CURING COMPOUND

CHEMCURE 75 provides a spray –on temporary membrane to retain moisture in concrete for effective curing, and hardening the concrete. It is a wax emulsion based curing compound formulated to prevent evaporation of the gauging water and provides an economical and efficient method for curing concrete.

### APPLICATION:

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

### ADVANTAGES:

- 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.
- Compactable with SR / OP cements.
- Having no reaction with soil bond chemicals like sulfate, chloride and other soil bond chemicals.
- Eliminates need for damp hessian, send or polyethylene.

### DESCRIPTION:

CHEMCURE 75 is a white, low viscosity membrane which has an alkali reactive emulsion breaking system. This system ensures that the emulsion break down to form a non – penetrating continuous film immediately upon contact with a cementitious surface.

The 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 dependent on the condition of exposure.

**CHEMCURE 75** is available in two grades – CLEAR and WHITE PIGMENTED

Clear (ASTM C 309-81 Type-1) grade is for all normal temperature climate application.

White Pigmented (ASTM C 309-81 Type-2) containing white pigment to give light reflectance. And is particular for use in hot climate application.

### PHYSICAL PROPERTIES:

CHEMCURE75	Clear White	Pigmented
Bulk Liquid	White	White
Dry Film	Clear	White

Specific Gravity: 1.02+ 0.02  
Viscosity at 20 Deg Celsius 8-10 cps  
Minimum Application Temperature 6 deg Celsius

### CURING EFFICIENCY: (FOR BOTH GRADES):

Water loss 0.17kg/Sq.m which is considerably more efficient than the maximum permissible water loss of 0.55kg/Sq.m in ASTM C 309-81 and 0.39kg/Sq.m in US Federal Specification C 800A. 86%.

### DIRECTION FOR USE:

CHEMCURE 75 can be spray applied or after initial hardening of concrete can be applied by brush or roller softly and gently ensuring the 100% coverage of surface without pin holes and holidays. The concrete must be free from surface water while applying.

### COVERAGE:

7-9 Sq.m per liter

### PACKING:

Packed in 210 liter Drums.

### SHELF LIFE:

2 years when stored at ambient temperature