

# CHEMCURE & SEAL

## WATER BASED CONCRETE CURING AND SEALING COMPOUND

**Chem Cure & Seal** provides a spray on membrane to retain moisture in concrete for effective curing, sealing dust proofing and hardening concrete. The polymer based curing compound is formulated to prevent evaporation of the gauging water and 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.
- No surface wetting necessary before application to vertical surfaces.
- Nontoxic and nonflammable.
- Eliminates need for damp hessian, sand or polyethylene.

### DESCRIPTION:

**Chem Cure & Seal** is a clear, low viscosity membrane which has an acrylic emulsion system. This system ensures that the emulsion spread on surface 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.

**Chem Cure & Seal** is available in CLEAR form. Clear (ASTMC 309-81Type-1) grade is for all normal temperature climate application.

### PHYSICAL PROPERTIES:

CHEM CURE & SEAL	Clear White
Bulk Liquid	White
Dry Film	Clear

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:

**Chem Cure & Seal** 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. 30 Liter Cans

### SHELF LIFE:

2 years when stored at ambient temperature

