

CHEMfix 17

Wax based concrete curing compound

CHEMfix 17 is a wax based curing compound which when applied on concrete forms a seamless film and prevent the evaporation of water from the capillaries of concrete.

ADVANTAGES

- Eliminates use of water, hessian or polyethylene film completely.
- No risk of erratic or poor curing and ensures that the cement hydrates efficiently .
- Good solar reflectance, which keeps the concrete temperature low, especially helpful during the early stages of concrete hydration.
- Easy to apply, saves labor costs.
- Does not have any contaminants like chlorides etc.
- Does not affect the setting time of concrete.

TECHNICAL INFORMATION

Appearance: Bulk liquid - Milky white

DRY FILM COLOUR: White

VISCOSITY: 5 to 10 cps

REFLECTANCE: More than 60% to that of MgO

MIN APPLICATION TEMP. : 4°C

WATER LOSS AFTER 22H: Not more than 0.55 Kg/m²

FUNCTION

Cement hydration process demands that water be present in the system. Curing is adopted to prevent the loss of water from the hardening concrete interior so that strength development is not impaired. Conventional curing methods like ponding or damp covering are not reliable because they depend heavily on environmental condition.

CHEMfix 17 assures that the film does not leave water out of the system and hydration proceeds to its completion.

USES

- Typical uses are for:
- Vertical structural member like columns
- Canal lining, dams & other irrigation structures
- Airport runways
- Aprons and hard standings
- Roof decks and shell-roof
- Retaining walls, harbors
- Pre-stressed beams, columns etc.
- Exposed surfaces of dams
- Repair works

METHOD OF USE

Application: In all cases the nozzle of the spray should be held approximately 450 mm from the concrete surface and should be passed back and forth to ensure complete and even coverage. The pump pressure should be maintained at a level to produce a fine spray ensuring complete coverage of the surface. Rate of application depends on requirements, but is typically within the range of 3.5 to 4.5m² per liter.

Equipment: The preferred and generally used equipment is a knapsack sprayer of the type commonly used in horticulture or pest control. The ideal one is a knapsack sprayer with a capacity of 5 - 10 Liters fitted with an adjustable spray nozzle.

Equipment cleaning: Immediately, after use, the spray equipments should be cleaned thoroughly with fresh water. If the spray nozzle becomes blocked with wax particles, they should be removed with white spirit or similar fluid.

SPECIFICATION COMPLIANCE

CHEMfix 17 conforms to ASTM C309 -99 & ASTM C156 - 99 (a)

COVERAGE

3.5 to 4.5 m²/liter

STORAGE

Store in cool and dry place away from direct sunlight

SHELF LIFE

12 months in sealed container.

PACKAGING

210 Liters containers.

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

82, Great Eastern Street London EC2A 3JF. UK. Tel: 02-07-2477775 - 07-811155379 (Associated Company of I-Courier)

E-Mail: info@chemfix.com.pk Web Site: www.chemfix.com.pk, www.chemfixnigeria.com