

HARDOCURE WB

Wax Based Solar Reflective Concrete Curing Compound



DESCRIPTION

HARDOCURE WB 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.

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.

HARDOCURE WB assures that the film does not leave water out of the system and hydration proceeds to its completion



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.

PROPERTIES

Water loss after 72 hrs.	Not more than 0.55 Kg/m ²
Appearance	Bulk liquid -Milky white
Dry film color	White
Viscosity	5 to 10 cps
Reflectance	More than 60% to that Of day light
Min. application Temperature	5°C
Specific Gravity	1.04

USES

- 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

STANDARDS COMPLIANCE

HARDOCURE WB confirms to ASTM C309 -99 & ASTM C156 - 99(a), AASHTO M 148

APPLICATION INSTRUCTIONS

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 equipment's 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.

PACKAGING

200 Liters Drums

COVERAGE

5 to 6 m²/liter

STORAGE

12 months in sealed container.