



DURACURE

Concrete curing membrane

Description:

DURACURE C is a milky white liquid and **DURACURE WP** is a white-pigmented milky white liquid based on water containing synthetic wax emulsion. On drying **DURACURE C** forms a clear transparent film and **WP** forms white solar reflective film for reduction of the hothouse effect over concrete.

DURACURE R is based on synthetic resin and solvent with clear film and **RWP** is the same as **DURACURE R** but with white pigment for reflection. **DURACURE RAL** is also the same as **DURACURE R** but with aluminium for solar reflection.

Standard:

DURACURE C	: ASTM C309-81, Type 1, Class A
DURACURE WP	: ASTM C309-81, Type 2, Class B
DURACURE R	: ASTM C309-81, Type ID, Class B

Uses:

DURACURE range forms a membrane on the concrete or cement bound mortar surface to reduce premature water evaporation. Without disturbing the normal setting action, the concrete or cement bound mortar is allowed to cure and achieve the objectives of curing **DURACURE** replaces other expensive labour oriented curing measures such as water curing, wet Hessian / sand, polythene sheet etc.

DURACURE is extensively used for high rise structures, canal lining, highways, run and taxiways, aprons and hard standings, roof decks, bridge decks, retaining walls, prestressed beams etc.

- ❖ High curing efficiency upto 95% water loss 0.12 kg/m^2 typically observed when tested as per ASTM C309 against maximum limit of 0.55 kg/m^2 , solar reflection above 70% with white pigment & Aluminium.
- ❖ It needs protection from rain for at least 2-3 hours from the time of application.
- ❖ Film needs removal when subsequent coatings, screeds or rendering are to be provided. (If **Durafloresil** is used, no removal of film is required)
- ❖ Consistent quality through quality control of highest order.

Application:

DURACURE should be applied by hand operated or powder driven spray gun as bleed water from concrete surface or cement bound surfaces disappears and surfaces reach no fingernail mark.

For vertical wall or column, after removal of shutter, the concrete surface should be wetted with sprayed water for at least half an hour. When surface water disappears, one spray coat of **DURACURE** may be applied. When the applied surface is just dry or tacky, a further spray coat of **DURACURE** should be applied to achieve maximum efficiency of curing.

Technical Data:

Flash point with solvent based DURACURE R	: 43°C
Temperature	: May be applied at all temperature
Coverage	: Will vary depending on the texture Of the surface, average 3-5 m ² /Ltr.
Drying Time	: Between 1 and 2 hours at 27°C
Shelf Life	: 12 months of kept unopened
Packing	: 25Ltrs, 100Ltrs and 200Ltrs containers Keep under shed and prevent from Extremes of heat.
Health & Safety	: Emulsion i.e. DURACURE C or WP is Non-flammable & non-toxic. DURACURE R range is highly inflammable. No naked Flame near by.

Note: No result from application of any curing compound over concrete cubes and then checking of compressive strength are reliable. Please do not do such test. Best it to follow ASTM C309 and then core may be taken and checked for compressive strength.

IMPORTANT: Though the product may change with some code as suffix or addendum to the principal or original name out of some minor adjustment and fine tuning in the formulation due to our continuous research and development but shall exhibit the stated properties with more improvement.

WARRANTY: Our high potency products are manufactured under stringent National/International Quality Standard specifications and guaranteed against any manufacturing defect. Suggestions and recommendations are made here based on our most practical experience and exposure over 25 years in the field and are believed to be most appropriate and correct BUT no liability can be accepted by us, as the conditions of use of such products are beyond our control.

HEAD OFFICE: 104-106, Dimension Deepti Plaza, Plot No-3, LSC, Pocket-6, Nasirpur, Dwarka, New Delhi-110045.

Phone No.: 011-25050236, 011-25050237, Fax No.: 011-25050238

E-mail: admin@durabuildcare.com, sales@durabuildcare.com, Website: durabuildcare.com