

POLY CURE RB

Resin-Based Curing Compound for Freshly Laid Concrete

Product Description

POLY CURE RB is a resin base curing compound for freshly laid concrete. It will form a tough resin film on the surface of freshly laid concrete preventing the evaporation of the premature water.

This will lead to proper hydration, eliminating the reasons of shrinkage and providing very good mechanical & physical properties of the concrete.

It is supplied in four grades:

- **POLY CURE RB** Clear which will provide clear dry film after application.
- **POLY CURE RB** white which will provide a white dry film after application. It contains white providing light reflectance and hence minimizing the temperature absorbed by the concrete. It is suitable for concreting in hot weather.
- **Poly cure RB** with green fugitive dye which will provide a clear dry film after application. It contains a fugitive dye indicating the coverage.
- **POLY CURE RB** Aluminized, which will provide a silver dry film after application where light reflectance and high efficiency are required to minimize the temperature, absorbed by the concrete.

Product Features

- Easy to use and Economical.
- Ensures achievement of target strengths.
- Reduces incidence of plastic cracking.
- Reduces shrinkage and cracking of concrete surface.
- Reduces dusting providing hard – wearing surfaces.
- Formulated to be suitable for the Middle East climates.

Standards

POLY CURE RB complies with the requirements of the following standards:

- ASTM C - 309 Type 1, Class B for the clear & green grades.
- ASTM C-309 Type 2 for the white grade.
- AASHTO M-148 Type 1, class B for the clear & green grades.
- AASHTO M – 148 Type 2 for the white grade

Typical Application

POLY CURE RB is sprayed onto the newly laid concrete surfaces to form a tough resin film barrier against premature water loss. Without any disturbance to the normal setting behavior, the concrete is then allowed to cure properly and achieve maximum properties.

POLY CURE RB is useful in large areas of concrete construction such as:

Motorways, airways, ice rinks, bridge supporting structures, retaining walls, channels priestess's girders, concrete slabs, etc.

Properties

Appearance

Clear, green, white or silver liquid depending on the grade

Specific Gravity

Clear: 0.770, white: 0.870, Aluminized: 0.86
Appearance of dry film clear or white or silver film depending on the grade

Flash point

40°C

Membrane Breakdown

The clear dry film will start to Breakdown after 28 days by sunlight. This will take about 60-90 days .For the white or aluminized the dry film should be removed mechanically.

Guide For Application

POLY CURE RB is applied onto the newly laid concrete once the surface water has evaporated (between 0.5 – 2.0 hrs depending upon the ambient temperature and the climate conditions).

The surface of the fresh concrete is sprayed using hand operated or motorized spraying equipment.

If large areas have to be sprayed, it is recommended to use a spray gun or automatic spraying equipment.

Packaging

POLY CURE RB is supplied in 20 lit and in 220 lit steel drums.

Storage

Store under cover away from direct sunlight and protect from extreme temperatures.

Shelf Live

Up to 12 months if stored properly per recommendations above.

Cleaning

Clean the tools and equipment after use immediately with solvent.

Health and safety

As with all construction chemical products, caution should always be exercised. Always use protective clothing such as gloves and goggles, and treat any splashes to the skin or eyes with fresh running water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.



Under technical collaboration with

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