



ASIAN LABORATORIES

CONSTRUCTION CHEMICAL MANUFACTURERS

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PRODUCT:

CUREWELL WB

CONCRETE CURING COMPOUND (WATER BASED)

CUREWELL-WB concrete curing compound (Water Based) is a non-membrane forming pigmented compound available in yellow & pink colors, which on spraying to the fresh concrete surface it penetrates and forms (CSH) Calcium Silicate Hydrate in the concrete pores. The curing compound forms a breathable film in the concrete surface and imparts protection to un-desirable effects associated with too rapid evaporation of surface moisture. The curing compound leaves a stain-free surface. It complies with the requirements of ASTM C-309 type-I and BS (M.O.P.B. 201)

PRODUCT IMPORTANCE:

Not only the correct composition and preparation of concrete is important, but also the after treatment which is one of the deciding factors with regard to quality. In case of insufficient after treatment. The required moisture escapes too quickly especially from the surface. (Known as the thirst of concrete)

The negative results are as follow. Insufficient development of strength, silting and chipping off on the surface, and crack formation.

The symptoms appear especially at higher temperatures, in cases of low humidity and draughts. These factors may also greatly increase the speed of evaporation. This is illustrated by the following charts.

Appearance : Yellow, Pink pigmented liquid on request

Specific Gravity : 1.1 - 1.2 at 20°C

Open Flash Point : More than 93 °C

Freezing Point : 0°C

Viscosity : Less than 10 Cp at 20°C (Ostwald)

ADVANTAGES:

- Protects fresh concrete against untimely drying out-against a “burning” of the fresh concrete surfaces which are exposed to strong solar radiation.
- Largely prevents shrinkage cracks and other damage to the concrete caused by a rapid drying – out.
- Provides a labor-saving method of curing concrete, without the use of ponding techniques or the continuous wetting of hessian stretched over the concrete surface. It saves the trouble of keeping the concrete wet during the first few weeks after fabrication.
- A single application is sufficient. In case of second coat, it should be applied after the first coat dries completely within 1-2 hours.
- As the product is water based no special precautions are required for handling, storage or application.
- Equipment may be cleaned with water, as such there is no need of solvent cleaners.

APPLICATION: - **CUREWELL-WB** is ready to use liquid compound which should not be diluted with water or solvent it should be sprayed on to the concrete surface as soon as the form work is removed or alternatively as soon as the free surface water has disappeared from the horizontal surfaces. A smoothly troweled surface requires less compound than a rough surface, such as that of pneumatically applied mortar. The sealing compound is applied in one coat by spraying. To insure thorough and complete coverage, approximately one-half of the compound for a given area should be applied by moving the spray gun back and forth in one direction, and the remainder at right angle to this direction.

The curing compound should not be sprayed on to surface dry concrete, otherwise the normal mechanism of degradation will be seriously impaired which may result in staining, therefore in some instance where the concrete has lost some of its “greenness”. It is essential to dampen the surface with water. Also, it should not be sprayed on to concrete which has free standing water on it. Special care should be taken with formed concrete to see that edges, corners, and rough spots are well covered with compound. The compound should be applied before any patching is done. Curing Compound can also be applied over the 7 days aged concrete.

COVERAGE: 5.5 TO 6.0 SQUARE METER PER Kg. (200-300 Sq. ft per gallon). It is essential not to apply the coating too thickly. While spraying the distance between the spraying device and the surface of the concrete should be approx. 1 m. Thus, a uniform coating is guaranteed. Make sure that the spraying is properly carried out.

PACKING: **CUREWELL-WB** Curing Compound Water Based is supplied in 200Kg packing in HDPE Drums.

PRICE, PERIOD OF DELIVERY AND TERMS OF BUSINESS ON REQUEST
MANUFACTURED BY

