TECH-DRY

Protekta Curing -W

USES

After 7 days if the place treated with Protekta Curing-W is cured by water, this curing product would significantly reduce

- Drying shrinkage
- Lower Controlled heat of hydration.

This product not only works as a curing agent but apart from the above qualities

- Increases compressive strength
- Positive effect on all physical properties of the concrete

DESCRIPTION

Protekta Curing W is concerned with Self-curing concrete and in particular to internal curing compositions and methods of using said compositions for curing concrete.

Protekta Curing –W, compositions are well known in the concrete art. They are materials, which are applied to the surface of wet concrete to reduce or eliminate the loss of water from the concrete and therefore result in a better concrete, which has lower permeability, and therefore better strength and durability.

It provides for the first time an internal curing composition which, when added to concrete or other cementitious mixes.

Self-curing is an "internal curing system" where a water-soluble polymer is added to the concrete mix. This method overcomes the difficulty in ensuring that effective curing procedures are employed by the construction personnel as the internal curing composition is a component of the mix. The mechanism of self-curing can be explained as follows:

Continuous evaporation of moisture takes place from an exposed surface due to the difference in chemical potentials (free energy) between the vapour and liquid phases. The polymers added in the mix mainly form hydrogen bonds with water molecules and reduce the chemical potential of the molecules which in turn reduces the vapour pressure. This reduces the rate of evaporation from the surface.

The effect of curing, particularly new techniques such as "self-curing" on the properties of high performance concrete is of primary importance to the modern concrete industry. As an initial step, there are investigated the effect of self-curing compositions

APPLICATION

Protekta Curing-W is sprayed on the surface by using hand pump profusely and once it gets dried a coat of crystals would be formed on the surface. The surface should be sprayed with water every 7th day or atleast once in 15 days. This coat would work as a curing membrane but unlike membranes would penetrate into capillary and pores.

COVERAGE: 1 ltr for 35 sq. ft

SHELF LIFE: 6 months in a closed uncontaminated container and should be used before the use-by-date printed on the container. However if the product is passed its used-by-date it is not necessarily unusable. A quality control should be performed on the properties relevant to the application or otherwise contact the manufacturer for further advice

STORAGE: To be stored in closed containers in a cool place and prevent from extremes of heat

HEALTH & SAFETY: Non-Hazardous, Non-toxic, Non-flammable

IMPORTANT NOTE

Protekta products are non-hazardous when properly handled, stored and applied. When handling suitable protective clothing should be worn. The materials should not be ingested, inhaled or make skin contact. MSDS are available.

WARRANTY:

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge and should be used only as a guide. Tech Dry (India) Pvt Ltd reserves the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. The information in this document is based on the present state of our knowledge and is applicable to the product. Tech Dry (India) Pvt Ltd is responsible for the quality of the product at the time of despatch but is not responsible for its quality after subsequent storage, handling and application. Neither Tech Dry (India) Pvt Ltd nor its associated companies shall be held liable for any damage resulting from the handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Tech-Dry (India) Pvt. Ltd.
769, Ground Floor, I Cross, I Stage, Indiranagar, Bangalore 560 0328, Ph: ++91-80-25255294 / 25255406,
Fax: ++91-80-25289159. E.mail: techdry@airtelbroadband.in, Website: www.techdryindia.com