

CHUPOL T-21

RETARDER

Description

CHUPOL T-21 controls the hydration reaction of cement and is used to delay the initial & final setting time of concrete in hot weather. CHUPOL T-21 is effective to extend the operating time like mixing, transportation, placing, compaction and finishing of concrete, and also useful to prevent the rise of concrete temperature by hydration heat.

CHUPOL T-21 can be used together with other concrete admixtures which are water reducing and high-range water reducing admixtures.

Advantages

- Delays the setting time
- Extends the operating time of concrete under hot condition
- Avoids cold joints
- Reduces hydration heat of concrete

Dosage Rate

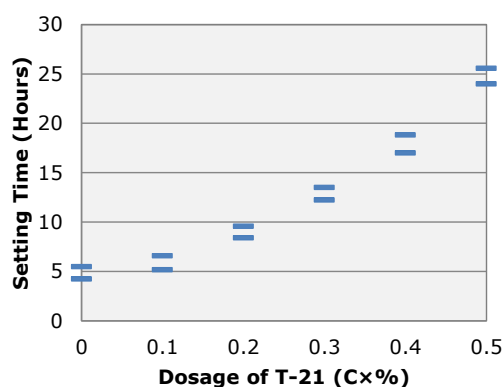
Recommended dosage is 0.01 to 1.0% by weight of cementitious materials.

But the dosage rate will vary according to concrete materials, ambient condition and specific requirements of concrete. It is recommended that concrete tests are carried out to determine the optimum dosage for the application.

Usage

CHUPOL T-21 can be added to mixing water at plants mixer or mixing trucks, and also can be mixed to water reducing and high range water reducing admixtures in advance.

Technical Data



Cement : OPC, 300kg/m³

Concrete Temperature : 30°C

Characteristic

- Appearance : Black brownish liquid
 - Solid Content : Approx. 43%
 - Density (20°C): Approx. 1.22 g/cm³
 - Cl⁻ Content : Nil
 - Solubility : Water soluble
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Storage

CHUPOL T-21 should be stored at temperatures above 5°C. Although freezing does not harm the performance of CHUPOL T-21, precautions should be taken to protect it from freezing. If product is frozen, thaw and reconstitute with mechanical agitation. Do not use pressurized air for agitation.

Shelf Life

CHUPOL T-21 has a minimum shelf life of 18 months. Depending on storage conditions, the shelf life may be greater than stated. Please contact your local sales representative regarding suitability for use and dosage recommendations if the shelf life of CHUPOL T-21 has been exceeded.

Packaging

CHUPOL T-21 is supplied in 220kg drums or 1,100kg totes.

Related Documents

Safety Data Sheets : CHUPOL T-21

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