

K CRETE KRT RETARDING PLASTICISER

BENEFITS

- Extends setting time & provides protection against delays and stoppages.
- Avoids cold joints
- Increases workability makes placing, compaction and finishing easier and better.
- Increases strength due to reduction in water
- Facilitates keeping a workable concrete face under difficult condition.
- Can be used with pump concrete
- Chloride free.

PRODUCT

KCRETE KRT is a retarding water reducing admixture conforming to **IS-9103-99 BS-5075 Part-I, ASTM C-494:71 type D**. Retard the setting time of concrete and to reduce water requirement for a specified workability.

USES

It can use with all types of Portland cement. As a retarded, it can be used to extend setting time in high ambient temperatures, it can be used to increase workability without addition of water or obtain increased strength by reducing water content for a given workability.

DESCRIPTION

KCRETE KRT is based on processed lignosulphonates. It acts as both a set-retarded and as a plasticizer. When added to concrete mixes the admixture is absorbed onto the cement particles. It then acts as a dispersing agent which breaks down agglomerates of cement particles and enables the water in the mix to perform more efficiently. It delays the initial hydration of the cement which results in retardation of the setting time. As a retarded, it can be used to extend setting time in high ambient temperatures, where mass concreting is involved such as foundations, water retaining structures, silos, piles and slip form structures where long delays or interruption can lead to problems or where cold joints have to be avoided. As a plasticizer, Cement reduction upto 10% is possible for a given workability and strength.

Hardening: At higher temperature concrete hardens more rapidly and may impose problems with placing and finishing of concrete. By varying dosage of **KCRETE KRT**, concrete with a more desirable rate of hardening characteristic can be obtained.

PROPERTIES

Physical Form : Liquid

PACKING & DOSAGE

5, 20, 50, 100, 200 kg carboys.

KCRETE KRT has a dosage of about 0.6-1.5% by weight of cement. However, the optimum dosage is to be determined by site trials.

OVER DOSING

Over dosing by accident can lead to high retardation levels leading to slight loss of strength. However it has no deleterious effect on concrete.

SHELF LIFE & STORAGE

KCRETE KRT will have a shelf life of 12 months in unopened containers when kept in dry conditions at a temperature between 5°C to 45°C. Storage at higher temperature or high humidity may reduce shelf life.

HEALTH & SAFETY

KCRETE KRT is non toxic. Any splashes on the skin should be washed with water. If contact with eye occurs, wash well and seek for medical advice

SPECIFICATION

KCRETE KRT is retarding plasticizer for concrete used at a dosage of about 0.6-1.5% by weight of cement, strictly in accordance with the instruction of KRISHNA.

QUALITY ASSURANCE

KRISHNA manufactures entire range of construction chemicals under compliance of ISO 9001-2000.

TECHNICAL SERVICES

Mix Design : KRISHNA has a dedicated advisory service on Concrete Mix Design and can be contacted if assistance is required. While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. We are eager to work with you in development of new product and resolve your problem.