

Techno Mix D 130

Retarding water reducing workability retention aid uses

Uses

Techno Mix D 130 allows significant water reductions to be made and workability of concrete to give increased quality and d workability retention and is particularly effective at high and delays during transportation or placing cause unacceptable slur

Advantages

- Improved quality
- Increased workability and cohesion , with reduced water cement ratio , help to produce a dense , durable and low permeability concrete workability retention
- Obviates the need to retemper on site where placing delays or high ambient temperatures would normally result in excessive slump loss increased cohesion
- Reduces the risk of segregation and bleeding and assists with pumping

Description

Techno Mix D 130 is based on selected lingo sulphonate whose properties have been modified with other natural and synthetic organic chemicals. It is supplied as brown liquid instantly dispersible in water

Standards

Techno Mix D 130 complies with BS 5075: part 1 and ASTM C 494 Type B and D as a retarding water reducing admixture.

Properties

Calcium chloride Specific gravity	Nil to BS 5075
Air entrainment	1.175 to 1.195 at 25

Air entrainment will not normally be increased by more than 2%. However, certain mixers and mix constituents may give greater levels of entrained air and this should be checked by undertaking trial mixes

Compressive Strength

Significant levels of water reduction are possible with Techno Mix D 130 which can lead to improved strength performance

Setting time

Techno Mix D 130 when used at the recommended dosage level may retard the setting of the concrete particularly when sulphate-resisting cement is being used.

Compatibility with cements

Can be used with all types of Portland cement. Compatibility with other admixtures Techno Mix D 130 is generally compatible with other M.T.C. Admixtures provided it is not pre-blended prior to addition to the concrete.

Instructions for use Dosage

The optimum dosage should be determined by sittrials with the particular concrete mix. As a guide the dosage rate is normally in the range 0.30 to 0.80 litres/ 100 kg cement.

Modern Technologies for Construction Chemicals

Factory: Wadi Elnatroun – First Industrial Area.
Head Office: New Maadi – 3\288 St. from Aljazaer St.
Fax. & Tel.: 02-25200833 Mob. : 010 209 65554
www.mtcchem.com

Overdosage

An overdose of Techno Mix D 130 may result in an increase in retardation and air entrainment.

The correct quantity of Techno Mix D 130 should be measured by means of a recommended dispenser.

The measured quantity of Techno Mix D 130 should be added direct to the mixer, preferably at the same time as the mixing water.

Curing

Normal curing methods such as water spray, wet hessian or a curing membrane of the Techno cure type should be used.

Cleaning

Spillages of Techno Mix D 130 can be removed with water precautions

Health and safety

Techno Mix D 130 is non-toxic, non-corrosive and any splashes on the skin should be washed off with water. If contact with eyes occurs wash well with water immediately and seek medical advice.

Fire

Techno Mix D 130 is non-flammable.

Storage

Minimum of 12 months provided the temperature range has not exceeded 2 ° C to 50 ° C.

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