

Techno Mix SR 130

Retarding water reducing workability retention aid

Uses

Techno Mix SR 130 allows significant water reductions to be made while improving the cohesion and workability of concrete to give increased quality and Durability. Techno Mix SR 130 aids workability retention and is particularly effective at high ambient temperatures or where delays during transportation or placing cause unacceptable slump loss.

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

Properties

Calcium chloride Nil to BS 5075

Specific gravity 1.175 to 1.195 at 25 °C

Air entrainment

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 SR 130 which can lead to improved strength performance.

Setting time

Techno Mix SR 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 SR 130 is generally compatible with other M. T. C. Admixtures

Modern Technologies for Construction Chemicals

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provided it is not pre-blended prior to addition to the concrete.

Instructions for use

Dosage

The optimum dosage should be determined by sit trials 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.

Over dosage

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

Dispensing

The correct quantity of Techno Mix SR 130 should be measured by means of a recommended dispenser. The measured quantity of Techno Mix SR 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 Masticure type should be used.

Cleaning

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

Fire

Techno Mix SR 130 is non-flammable.

Storage

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

Packaging

In 210 liters drums. Also in tanker loads. For larger users storage tanks and dispensing equipment can be supplied.

Supply

Contact your M. T. C .office or representative.

Technical service

The company provides a technical advisory service for on site assistance and advice or evaluation trials and dispensing equipment.

Additional information

Technical data and guidance can be provided on a wide range of admixtures and concreting aids, including accelerators, retarders, air entraining agents, waterproofer, mould release agents, surface retarders, workability aids and repair materials.

Health and Safety

Techno Mix SR 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

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water immediately and seek medical advice.

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