



AdCon AE 200

Air-Entraining Admixture for Concrete

Description:

AdCon AE200 is a liquid air entraining agent for use in concrete and mortar mixes. It is used to improve the workability, cohesion, and durability of concrete and mortar by the entrainment of minute air bubbles of controlled size and spacing, uniformly distributed throughout the mix.

Uses

AdCon AE200 is recommended for use whenever air entrained concrete is desired. Ready-mix, precast and block producers can achieve predictable and uniform entrained air contents in concrete, even where harsh lean mixes are used, or fly-ash is added to the concrete.

Advantages:

AdCon AE200 is especially useful in the types of concrete known for their difficulty to entrain and maintain the air content desired. Entrainment of the optimum air content in concrete results in the following improvements to quality:

- Increased freeze /thaw resistance.
- Reduced permeability, increased water tightness.
- Improved plasticity and workability.
- Reduced segregation and bleeding.

Properties:

Appearance	Brown Liquid
Specific Gravity	Typically, 1.03±0.02
Chloride content	Nil

Standards Compliance:

AdCon AE200 Complies with ASTM C260.

Instructions for Mix Design:

When two or more admixtures are used, they must be added to the mix separately and must not be mixed with each other prior to adding to the concrete mix. Add AdCon AE 200 admixture to the concrete mix using dispenser designed for air-entraining admixture; or adds manually using a suitable measuring device that ensure accuracy.

Typical Dosage:

There is no standard dosage rate for AdCon AE 200 admixture. The exact quantity of air-entraining admixture needed should be determined by trial mix the amount of AdCon AE 200 admixture used will depend upon the amount of entrained air required under actual job conditions.

In a trial mix, use 50 ml/100kg of cement and adjust in the light of results obtained. In mixes containing water reducing, set-controlling admixtures, the amount of AdCon AE 200 needed is somewhat less than amount required in plain concrete.

Compatibility:

With Cements: AdCon AE200 is compatible with all Portland, Pozzolanic and blast furnace cements. It is also compatible with concrete containing fly ash and silica fume.



With Other Admixtures: **AdCon AE200** is compatible with other CTC admixtures in the same concrete mix. All admixtures should be added to the concrete separately and must not be mixed together prior to addition. The performance of concrete containing more than one admixture should be assessed by trial mixes to ensure the desired combination of effects is obtained

Packing:

AdCon AE 200 is supplied in 20 -liter pail & 1000-liter IBC tanks.

Shelf Life:

AdCon AE 200 admixture should be stored and dispensed at 2°C or higher. Although freezing does not harm this product, precautions should be taken to protect it from freezing. If it freezes, thaw and reconstitute by mild mechanical agitation. Shelf life is 12 months when stored as above

Safety Precautions:

AdCon AE 200 does not fall into the hazard classification of current regulations. However, it should not be swallowed or allowed to come into contact with eyes. Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

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