



# AdCon AE 100

Air-Entraining Admixture for Concrete

## Description:

AdCon AE 100 is an air-entraining admixture, which creates ultra-stable air bubbles that are strong, small and closely spaced.

## Uses

Entraining controlled air content in a wide range of concrete types:

- Normal mix designs.
- Low slump concrete.
- Concrete containing large amount of fine materials.
- High temperature concrete.

## Advantage

AdCon AE 100 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.
- Greatly improved stability of air entrainment.
- Reduced segregation and bleeding.

## Properties

Appearance	Amber brown
Specific Gravity	Typically, 1.02 ±0.01
Chloride content	Nil

## Standards Compliance:

AdCon AE 100 meets the requirements of: ASTM C-260-86

## 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 100 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 AE100 admixture. The exact quantity of air-entraining admixture needed should be determined by trial mixes. The amount of AdCon AE 100 admixture used will depend upon the amount of entrained air required under actual job conditions.

In a trial mix, use 100 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 100 needed is somewhat less than the amount required in plain concrete.

AdCon AE 100 is compatible with concrete containing other admixtures or admixture systems- water reducers, high range water reducers .... etc.



#### Packaging:

AdCon AE 100 is supplied with 20 lit plastic gallon & 210-liter drums.

#### Shelf Life/ Storage:

AdCon AE 100 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 100 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.

#### Technical Service:

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

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