



CENTROX™ AEA (Aqueous Solution) *Air Entraining Admixture*

PRODUCT INFORMATION BULLETIN

January 2010

DESCRIPTION

Centrox AEA is an air entraining admixture designed to generate highly stable, correctly sized and evenly distributed semi-microscopic air pores in concrete to improve its workability and durability of concrete. **Centrox AEA** is ideally suited for precast and monolithic concrete, in which it has previously been difficult to maintain the desired air content, and is effective in maintaining air content during longer haul times. **Centrox AEA** meets and exceeds all requirements of Australian Standard AS1478.1 – 2000 for an Air Entraining Admixture.

USED FOR

- * flowable low slump concrete
- * extending working life of mixes
- * providing workability to lean harsh mixes
- * reduction of bleeding
- * lightweight and heavyweight concrete

ADVANTAGES

- improves workability of concrete mixes
- dramatically increases concrete durability
- reduces mixing water with no loss in slump
- no effect on setting time
- increases frost resistance
- used in wide spectrum of mix designs
- compatible with AIA water reducing and other admixtures

TECHNICAL DATA (typical)

- Appearance: aqueous solution
- Colour: light red
- Density at 20°C: approx. 1.002 g/liter
- pH value: approx. 3.0
- Chloride content: no added
- TEA content: does not contain TEA

APPLICATION

Centrox AEA is introduced directly into the mixing water prior to addition of the aggregates. Measure the air content of the trial mix and increase or decrease the quantity of **Centrox AEA** as needed to obtain the desired air content in the production mix. Regular tests on the entrained air content should be undertaken with an airmeter.

Centrox AEA should not come in contact with other admixtures prior to entering the concrete.

DOSAGE

The usually recommended dosage rate is between 30 – 150 ml per cub. meter depending on specific mix design and requirements. The exact dosage rates are determined by air meter tests on trial mixes.

PACKAGING

Centrox AEA is available in 20 L containers, 1000 L cubes and bulk.

HEALTH AND SAFETY

Centrox AEA contains no hazardous substances requiring labeling. For further information refer to the Material Safety Data Sheet.

STORAGE AND SHELF LIFE

Minimum one year when stored in the closed original container at between 5 °C and 40 °C.

Please contact our technical department for further information