



### **CENTROX™ Ac (Aqueous Solution)** **Non Chloride Set and Hardening Accelerator**

**PRODUCT INFORMATION BULLETIN**

**January 2010**

#### **DESCRIPTION**

**Centrox Ac** is a chloride free, non corrosive cement hydration accelerating admixture designed to provide faster set and increased early strength development of concrete and mortar.

**Centrox Ac** may be used for precast and monolithic concrete under cool winter conditions.

**Centrox Ac** meets and exceeds all requirements of Australian Standard AS1478.1 – 2000 for a Set Accelerating Admixture.

#### **ADVANTAGES**

- higher early strengths without steel corrosion
- faster demoulding
- earlier structural use of concrete constructions
- faster construction and earlier occupancy
- energy saving in stream cured concrete
- corrosion of steel is avoided
- offset retarding effect of pozzolans
- compatible with AIA water reducing and other admixtures

#### **TECHNICAL DATA (typical)**

- Appearance: aqueous solution
- Colour: light orange
- Density at 20°C: approx. 1.45 g/liter
- pH value: approx. 8.4
- Chloride content: no added
- TEA content: contains TEA
- Air entrainment: none

#### **APPLICATION**

**Centrox Ac** may be added to the concrete mix on the sand or in the water. For greatest effectiveness, it is recommended to add **Centrox Ac** at the end of the batch cycles.

**Centrox Ac** should not come in contact with other AIA admixtures prior to entering the concrete.

#### **DOSAGE**

The usually recommended dosage rate is between 300 – 2000 ml per 100 kg of cement binder depending on specific mix design and requirements.

#### **PACKAGING**

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

#### **HEALTH AND SAFETY**

**Centrox Ac** 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*