



### **CENTROX™ MWR (Aqueous Solution)** *Mid Range Water Reducer*

**PRODUCT INFORMATION BULLETIN**

**January 2010**

#### **DESCRIPTION**

**Centrox MWR** is a composite mid range water reducing admixture designed to produce concrete with improved water reduction and extended slump life. **Centrox MWR** allows achieving and maintaining 100-160 mm slumps.

**Centrox MWR** is used to produce high performance concrete, where higher water reduction with easy placing and working is needed.

**Centrox MWR** meets and exceeds all requirements of Australian Standard AS1478.1 – 2000 as a Medium Range Water Reducing Admixture (normal setting).

#### **ADVANTAGES**

- Higher water reduction
- Increased workability time
- Reduced segregation of concrete mixes
- Increased strength and long-term durability properties
- Improved surface finish
- increased resistance to aggressive atmospheric conditions
- Decreased risk of shrinkage and creep

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

- Appearance: aqueous solution
- Colour: light purple
- Density at 20°C: approx. 1.03 kg/liter
- pH value: approx. 3.7
- Chloride content: no added
- TEA content: does not contain
- Air entrainment: may slightly increase air content

#### **APPLICATION**

The maximum plasticizing effect or water reduction is obtain if **Centrox MWR** is added into concrete after the cement is wet out.

#### **DOSAGE**

The usually recommended dosage rate is between 500 – 1000 ml per 100 kg of cement binder depending on specific mix design and requirements.

#### **PACKAGING**

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

#### **HEALTH AND SAFETY**

**Centrox MWR** 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*