



### CENTROX™ HWR (Aqueous Solution)

#### High Range Water Reducer

PRODUCT INFORMATION BULLETIN

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#### DESCRIPTION

**Centrox HWR** is a composite superplasticizer for concrete applications, providing high slump of concrete mixes.

**Centrox HWR** significantly reduces mixing water, promoting high early and ultimate strengths of concrete.

**Centrox HWR** is in accordance with Australian Standard AS1478.1 – 2000 as a High range Water-Reducing Admixture.

#### USES

- Precast concrete at job sites
- Prestressed concrete
- Placement in cold weather
- Sprayed concrete

#### ADVANTAGES

- High water reduction: in a range of 15-30 %
- Increased early and long-term strengths
- Improved rheological properties of the mixes
- Increased workability without segregation
- Increased resistance to aggressive atmospheric conditions
- Decreased risk of shrinkage

#### STORAGE AND SHELF LIFE

**Centrox HWR** is stored at temperature between 5 °C and 40 °C. In closed original container, it has a shelf life at list one year.

#### TECHNICAL DATA (typical)

- Appearance: Moderate viscose liquid
- Colour: Dark brown
- Density at 20°C: Approx. 1.2 kg/liter
- pH value: Approx. 7
- Chloride content: No added
- TEA Content: Does not contain
- Air entrainment: Slightly increases

#### APPLICATION

The maximum plasticizing effect or water reduction is obtained if **Centrox HWR** is added into concrete after cement is wet out.

#### DOSAGE

The usually recommended dosage rate is between 500 – 1500 mls per 100 kg of cement binder depending on specific mix design and requirements.

#### PACKAGING

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

#### HEALTH AND SAFETY

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

*Please contact our technical department for further information*