



# CONSOL R1

## Water Reducing and Set Retarding Concrete Admixture

### DESCRIPTION

**CONSOL R1** is a liquid concrete plasticizer and water reducing agent with set retarding effect.

**CONSOL R1** complies with ASTM C494/C494M-19 Type D.

### RECOMENDED FOR

**CONSOL R1** is used as a general purpose admixture when the placing conditions. For high quality concrete are more demanding such as:

- Elevated temperature
- Fair faced concrete
- Pumped concrete
- Ready-mix concrete
- Area where large volumes must be placed at one time
- High mechanical strengths are required

### BENEFITS

**CONSOL R1** provides the following properties:

- Increased setting time in hot weather
- Accelerated hardening after setting
- Improved workability without increase water content
- Reduced water without loss of workability
- Increased strengths
- Reduced shrinkage and creep
- Long lasting control of slump loss
- Better surface finish
- Chloride free does not attack reinforcement

### PRODUCT DATA

#### Form

Liquid

#### Colour

Brownish

#### Packaging

200 litres sealed drum

1000 litres IBC's or tanker delivery on request

### Storage

Dry, cool, shaded place. Protect from direct sunlight and frost.

### Shelf Life

Minimum 1 year if stored in original unopened container

### TECHNICAL DATA

#### Type

Polyhydroxy Carbon Salts

#### Specific Gravity

1.15 ± 0.02 kg/L

### TINSTRUCTION FOR USE

#### Dosage

0.15% - 0.50% by weight of cement

The dosage rate can be increased to 0.50% to overcome difficulties in quality of cement and aggregates, high temperature and difficult placing conditions. It is advisable to carry out trial mixes to establish the exact dosage rate required. **CONSOL R1** is compatible with all types of Portland cement including S.R.C.

#### Dispensing

**CONSOL R1** should be dispensed directly into the mixing water prior to its addition to the aggregates. When accidental overdosing occurs, **CONSOL R1** does not entrain excessive amounts of air, however the set retarding effect increases. During this period, the concrete must be kept moist in order to prevent premature drying out.

### HANDLING PRECAUTIONS

- Avoids contact with skin and eyes
- Wear protective gloves and eye protection during work
- If skin contact occurs, wash skin thoroughly
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.

For detail health, safety and environmental recommendations, please consult and follow all instruction on the Material Safety Data Sheet.