



## CONSOL FLOW 168

### High Range Water-Reducing and Retarding

#### DESCRIPTION

**CONSOL FLOW 168** is a highly effective superplasticizer with set-retarding effect for producing flowable concrete in hot climates. Also, as a substantial water reducing agent for promoting high early and ultimate strength.

**CONSOL FLOW 168** complies with ASTM C494/C494M-19 for type G admixtures.

#### RECOMENDED FOR

**CONSOL FLOW 168** is used as a general purpose admixture to produce a workable concrete mixture having optimum water cement ratio to obtain an economical mix where the placing conditions of high quality concrete are more demanding such as:

- Hot weather concrete
- Ready mix concrete
- Pumped concrete
- Fair faced concrete
- Areas where large volumes must be placed at one time
- High mechanical strengths are required

#### BENEFITS

**CONSOL FLOW 168** provides the following properties as set retarding and superplasticizer:

- Extend setting time in hot weather
- Reduce water content with a high dosage
- Increased strengths development
- Improve workability without increase water content
- Long lasting control of slump loss
- Reduced shrinkage and creep
- Chloride free-does not attack reinforcement
- Better surface finish

#### PRODUCT DATA

##### Form

Liquid

##### Appearance

Brown

##### Packaging

200 litres sealed drum.

1000 litre IBC's or tanker delivery on request

#### Storage

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

#### Shelf-Life

**CONSOL FLOW 168** can be stored for 12 months if stored as recommend in original unopened container.

#### TECHNICAL DATA

##### Chemical Base

Modified polycarboxylate in water

##### Density

Specific density:  $1.09 \pm 0.02$  kg/L (at 25°C)

#### INSTRUCTION FOR USE

##### Dosage

0.8 – 1.5 % by weight of cement

##### Dispensing

**CONSOL FLOW 168** can be added separately to the freshly mixed concrete or directly to the mixing water prior to its addition to the aggregates. When added separately to the freshly mixed concrete, further mixing should take place for at least one minute per cubic meter.

#### 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.