



CONSOL FLOW 105

High Range Water-Reducing and Retarding

DESCRIPTION

CONSOL FLOW 105 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 105 complies with ASTM C494/C494M-19 for type G admixtures.

RECOMENDED FOR

CONSOL FLOW 105 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 105 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

Turbidish Yellow

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 105 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: 1.10 ± 0.02 kg/L (at 25°C)

INSTRUCTION FOR USE

Dosage

0.8 – 1.5 % by weight of cement

Dispensing

CONSOL FLOW 105 should be dispensed directly into mixing water prior to its addition to the aggregates.

Note

It is advisable to carry out trial mixes to establish the exact dosage rate required and desired concrete properties.

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.