



CONSOL G2

High Range Water-Reducing and Set Retarding

DESCRIPTION

CONSOL G2 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.

RECOMENDED FOR

CONSOL G2 is used wherever high quality concrete is demand under difficult placing and climates conditions. **CONSOL G2** is especially suitable for concrete used in the construction of precast elements which requires excellent workability and high early and final strengths, such as:

- production of load bearing precast elements (e.g. bridge girders, piles concrete).
- structures constructed using travelling forms and slip forms.
- insitu casting of structural elements.

BENEFITS

CONSOL G2 provides the following properties as a water reducer and superplasticizer

As a Water Reducer

- Early strength significantly increased. High ultimate strength up to 20% water reduction especially suitable for hot climates
- No excessive air-entrainment
- No shrinkage effect. Improved surface finish. Increased watertightness.

As Superplasticizer

Substantial improvement in workability without increased water or the risk of segregation. Accurate control of slump loss. No adverse effect on ultimate strengths

PRODUCT DATA

Form

Liquid

Appearance

Dark 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 G2 can be stored for 12 months if stored as recommend in original unopened container.

TECHNICAL DATA

Chemical Base

Modified Naphthalene Formaldehyde Sulfonate

Density

Specific density: 1.18 ± 0.01 kg/L (at 25^oC)

INSTRUCTION FOR USE

Dosage

0.4 – 1.2 % by weight of cement

Dispensing

CONSOL G2 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.