



CONSOL N11 LN

High Range Water Reducer (Superplasticizer)

DESCRIPTION

CONSOL N11 LN is a chloride free, high range water reducing admixture. It is based on selected modified naphthalene lingo sulphonate. It is particularly developed for the production of precast concrete that demands high early strength.

CONSOL N11 LN complies with ASTM C494/C494M-19 for type F admixtures.

RECOMMENDED FOR

CONSOL N11 LN is especially suitable for concrete used in the construction of precast elements which requires

- A wide range of applications where good early strength development are required
- High performance concrete
- Self compacting concrete
- Watertight concrete (integral waterproofing: Cement content > 350 kg/m³ and W/C < 0.45)

BENEFITS

- High water reduction
- High early strength
- Prevent segregation
- Excellent concrete quality

PRODUCT DATA

Form

Liquid

Appearance

Dark Brown

Packaging

200 litres sealed drum

1000 litres IBC's or tanker delivery on request

Storage

Must be stored at temperatures above 0°C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring.

Shelf Life

1 years if stored in unopened original container

TECHNICAL DATA

Chemical Base

Modified naphthalene lignosulphonate

Density

Specific density: 1.15 ± 0.02 kg/L (at 25°C)

INSTRUCTION FOR USE

Dosage

Dosage depends upon the mix design, the ambient conditions and the degree of water reduction and workability required.

Typical dosage used is 0.5% - 2.0% by weight of cement. Site trials are recommended to determine optimum dosage rates.

For more specific requirements, please contact our Technical Service Department.

Application

The addition of **CONSOL N11 LN** to a dry mix is not recommended. Mix concrete using approximately 75%-80% of the total mixing water to yield a stiff, damp and homogenous mix.

Add **CONSOL N11 LN** to the concrete at the specified dosage through a dispenser. Mix for at least 3 minutes. While continuing to mix, add the remaining water until the specified workability is obtained. The use of fly-ash or silica fume can be beneficial in the production of a very cohesive concrete. Fly-ash or silica fume can be added along with cement.

PRECAUTIONS

- Avoid contact with skin and eyes
- Wear protective glove 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.