



CONSOL SS-14 P

High Range Water Reducer (Superplasticizer)

DESCRIPTION

CONSOL SS-14 P is an innovative polycarboxylate ether (PCE) based superplasticizer ideally suited for concrete and mortar. It is particularly developed for the production concrete with exceptional flow retention properties.

CONSOL SS-14 P complies with ASTM C494/C494M-19 for type F admixtures.

RECOMMENDED FOR

CONSOL SS-14 P is used for the following:

- Concrete with a very high water reduction (up to 30%) and excellent flowability
- High performance concrete
- Concrete in summer and with a prolonged transportation and workability time
- Watertight concrete
- Precast concrete
- Ready mix concrete
- Self compacting concrete
- High strength concrete
- Mass concrete

BENEFITS

CONSOL SS-14 P as a powerful superplasticizer acts through surface adsorption and sterical effects separating the binder particles. Therefore, **CONSOL SS-14 P** offers the following benefits:

- Extremely powerful water-reduction, resulting in high density, high strength and reduced permeability.
- Excellent plasticising effect, resulting in improved flowability, placing and compacting behaviour. Therefore, it is suitable for the production of self-compacting concrete.
- Improved shrinkage and creep behaviour.
- Reduce rate of carbonation of the concrete.
- Improved watertight behaviour.

PRODUCT DATA

Form

Liquid

Appearance

Turbid whitish liquid

Packaging

200 litres sealed drum

1000 litre IBC's or tanker delivery on request

Storage

CONSOL SS-14 P must be stored in a dry area, shaded place. Protect from direct sunlight and frost.

Shelf- Life

CONSOL SS-14 P can be stored for 12 months if stored as recommend in unopened original containers.

TECHNICAL DATA

Chemical Base

Modified polycarboxylate ether in water

Density

Specific density: 1.08 ± 0.02 kg/L (at 25°C)

INSTRUCTION FOR USE

Dosage

0.3 – 1.5 % by weight of cement

(note: when excess dosage has been used, please contact our Technical Support for achieve the best result)

Dispensing

CONSOL SS-14 P is added to the gauging water or added with it into the concrete mixer.

To take advantage of high water reduction, a wet mixing time of at least 60 seconds is recommended.

To avoid excess water in the concrete, final dosage must start after 2/3 of wet mixing time only.

Application

CONSOL SS-14 P is liquid admixture to be added to the concrete during the mixing process. The best results are obtained when the admixture is added after all the other components are already in the mixer and after the addition of at least 80% of the total water.



PRECAUTIONS

CONSOL SS-14 P does not contain any hazardous substances requiring labeling. It is safe for use with standard precautions as following:

- 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.

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