



CONSOL FAST 20

Set Accelerating Admixture

DESCRIPTION

CONSOL FAST 20 is an admixture that accelerates the early setting times of concrete and mortar. **CONSOL FAST 20** promotes early strength development without negatively influencing final strengths.

RECOMENDED FOR

CONSOL FAST 20 is used for applications such as:

- Precast concrete
- Slip forming

CONSOL FAST 20 may be used at concrete temperatures of 5°C - 30°C, when extremely high requirements for early green strengths at between 6 – 24 hours have to be met. The greatest effect is seen at 6 – 8 hours.

BENEFITS

CONSOL FAST 20 is normally used in combination with a superplasticizer. The addition of **CONSOL FAST 20** may require a slight increase in the dosage of superplasticizer if the same slump values are to be maintained.

Depending on the ambient temperature and dosage **CONSOL FAST 20** an increase in early strengths during the first 8 hours of up to 100% in comparison with normal **CONSOL** admixtures modified concrete can be achieved. Depending on the brand of OPC/RHC used and the temperature of the fresh concrete, the effect may vary slightly. Stripping of vertical formwork may be possible after 2-3 hours.

CONSOL FAST 20 can be used in combination with normal types of **CONSOL** plasticizers.

The best results are achieved when **CONSOL FAST 20** is added prior to the plasticizer.

PRODUCT DATA

Form

Liquid

Appearance

Transparent

Packaging

240 kg sealed drum

1200 kg IBC's or tanker delivery on request

Storage

Dry, shaded place. Protect from direct sunlight and frost

Shelf-Life

CONSOL FAST 20 can be stored for 12 months if stored as recommend in original unopened container

TECHNICAL DATA

Chemical Base

Mixture of organic and inorganic compound

Density

Specific density: 1.38 ± 0.02 kg/L (at 25°C)

INSTRUCTION FOR USE

Dosage

1.0 – 2.0 % by weight of cement.

Site trials are advisable to determine optimum dosage rates.

Compatibility

CONSOL FAST 20 compatible with other **CONSOL** admixture.

But add separately, do not premix.

For more specific requirements, please contact our Technical Services.

Dispensing

CONSOL FAST 20 is either mixed with the gauging water or added simultaneously with the gauging water into the concrete mixer.

It is also possible to add **CONSOL FAST 20** to the basic concrete carried in the transit mixer at the place of discharge. In this case, an additional mixing time of 1 minute per m³ of concrete must be observed. Prior to its discharge, the concrete is to be checked visually for uniform consistency.



Concrete Placing

The standard rules of good concrete production and placing must also be observed when **CONSOL FAST 20** is being used. Optimal curing of the fresh concrete is imperative, especially at low temperatures.

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.

HEALTH, SAFETY AND ENVIRONMENTAL

For detail health, safety and environmental recommendations, please consult and follow all instruction on the Material Safety Data Sheet.

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