

# CONXL - SCA 207

## SHOTCRETE ACCELERATING ADMIXTURE

### DESCRIPTION

CONXL - SCA 207 admixture is a high-performance, alkali-free shotcrete accelerator for use in the wet-mix spraying process. It is a liquid additive whose dosage can be varied to the desired setting and hardening times.

### APPLICATIONS

Recommended for use in shotcrete mixtures for:

- Rock support
- Tunnels
- All wet shotcrete mixtures

### FEATURES

- Overhead layer thickness of 6-12 in. (150-300 mm) in a single application (as with aluminate based accelerators)
- Good early strength development
- Limited decrease of final strength
- Good long-term strength and durability

### BENEFITS

- Easy handling, as well as easy and efficient addition to the sprayed concrete
- Little dust and therefore a better working environment
- Reduces required handling precautions, improving economics

### PERFORMANCE CHARACTERISTICS

Form	Liquid
Colour	Beige
Density	1.35
pH value	2.0 - 3.0
Thermal Stability	41 - 95° F (5-35° C)
Chloride Content	<0.1%

## GUIDELINES FOR USE

**Preparation of Substrate:** The substrate must be clean and free from loose particles.

**Dosage:** The dosage of **CONXL - SCA 207** admixture depends on the temperature of concrete, air and substrate. Another important factor influencing the dosage is the reactivity of the cement. Depending on required setting time and early strength requirements, the consumption of **CONXL - SCA 207** admixture normally ranges between 4-8% of the cement weight. Overdosing (> 10%) may result in decreased final strength.

**Applications:** **CONXL - SCA 207** admixture is added at the nozzle. **CONXL - SCA 207** admixture is a suspension and therefore, not all types of dosing pumps will work properly. To secure a constant and adequate dosage is of crucial importance in order to achieve a good result. We recommend the following dosing pumps: Rotor-Stator pumps, Peristaltic pumps (Bredel), membrane pumps and Gear pumps.

**Do Not Use With:** Piston pumps, all pumps with ball and seat valve system and pressure tanks.

*Do not use a filter on the suction hose as this causes obstructions. Avoid suction directly off the bottom of the drum/container.*

**Cleaning of Dosing Pump:** Prior to the use of **CONXL - SCA 207** admixture, the dosing pump and accelerator hose must be thoroughly cleaned with plenty of water. Failure to do this promotes blockages in the dosing system. Make sure all operators involved in testing and application are informed.

## PRODUCT NOTES

**Compatibility:** Do not mix **CONXL - SCA 207** admixture with other accelerators as this will cause immediate clogging of pumps and hoses.

## STORAGE AND HANDLING

**Storage Temperature:** **CONXL - SCA 207** admixture should be stored at a temperature range of 41-95° F (5-35° C). It is recommended that our representative be consulted prior to the use of any products that were frozen. Performance tests should always be carried out prior to use.

Manufactured by:



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**CONXL - SCA 207** admixture must be kept in closed plastic drums/containers or closed tanks made of plastic/glass fiber. Do not store in steel containers as the pH can cause corrosion which might affect the performance of the product. Containers must be tightly closed everyday to avoid contact with air which can cause a chemical reaction (skin building on top and lumps which cause problems with dosing pumps).

*Stir **CONXL - SCA 207** admixture before use after prolonged storage. It can have a settlement not visually detectable.*

**Shelf Life:** **CONXL - SCA 207** admixture has a minimum shelf life of 6 months. Depending on storage conditions, the shelf life may be greater than stated.

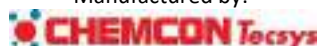
#### **PACKAGING**

**CONXL - SCA 207** admixture is supplied in 60 kg and 250 kg HDPE drums.

#### **DISCLAIMER**

*Information contained in this bulletin is true, accurate and represents our best knowledge and experience. No warranty is given or implied with any recommendations made by us or any of our representatives, as the conditions of use and the competence of any labour involved in the produce usage are beyond our control.*

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