

# SCC VISCO

*Viscosity Stabilizer for High Fluidity and Self Compacting Concrete*



SCC-VISCO is a viscosity modifying admixture composed out of polymers with very high molecular weight, dispersed in water, to be used in concrete mixes where improved viscosity and controlled rheological properties. The product stabilizes the components, avoiding segregation and 'bleeding', especially in deficiency of fine fillers.

## Uses

- For self-compacting concretes, to stabilise the components fine powder/aggregates/ water in perfect homogeneous pastes.
- As compensator for small variations in humidity of the filler and of the really active water in the cement paste.
- In all the concretes where differences in section and volume of the reinforcement steel can increase the risk for segregation, especially the case for SCC.
- As component suited to reduce the fines concentration (cement, silica fume, fillers), often excessive, particularly in self- compacting concrete SCC.
- Concrete with gap-graded aggregates
- Lean concrete mixtures
- Concrete containing manufactured sand

## Benefits

- Increased viscosity & thixotropic properties
- Improved stability during transport & placing
- Controlled bleeding, reduced segregation, even with highly fluid mix
- Enhanced pumpability and ease of finishing
- Reduced sagging & dimensional stability
- Enables flexibility in mixture proportioning
- Enables compaction without vibration, even with strongly reinforced structures

## Technical Support

Thermax provides a technical advisory service for onsite assistance and advice on mix design, admixture selection and evaluation trials and dispensing equipment.

## Properties

<b>Appearance</b>	Colourless Liquid
<b>Specific Gravity</b>	1.01±0.01 @ 25°C
<b>Chloride Content</b>	<0.2%
<b>pH</b>	≥6 @ 25°C

## Instructions for Use

To obtain an effective mix, add SCC-VISCO as last ingredient, a few minutes after the addition of the super-plasticizer and the programmed fluidity is obtained. Mix until the mix is completely homogeneous.

For a good mix, of rheodynamic self-compacting concrete, SCC-VISCO should be used in combination with the other superplasticizer admixtures of the Tecnos® range of admixtures. Addition of SCC-VISCO increases concrete viscosity which in turn might decrease the slump. If decrease in slump has to be overcome, a minor increase in super-plasticiser dosage can be achieved the same. Also, because of its thixotropic properties, concrete containing SCC-VISCO admixture may stiffen if left in a mixing vessel or truck without agitation. Workability can be restored by simply remixing the concrete mixture.

SCC-VISCO admixture has little to no effect on concrete setting time, slump retention, air content and compressive strength within the recommended dosage rate.

## Dosage

The ideal dosage is 0.1-0.5% by weight of cementitious material. For higher dosage, contact Thermax representative.

## Health and Safety Instructions

SCC VISCO does not fall into hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn.

Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately- do not induce vomiting.

For further information consult the Material Safety Data sheet available for this product. Read carefully the safety indications on the packaging, or consult the relevant safety data sheet of this product.

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## Storage

SCC VISCO has a minimum shelf of 12 months when stored in sealed containers at temperatures between +5°C and + 35°C. It must be stored away from direct sunlight and protected from frost and other extreme conditions. It must be kept in a dry and cool place.

In case the above mentioned storage conditions are not achieved, the product may face premature deterioration.

Please contact a Thermax representative for elaborate storage advice.

## Packing

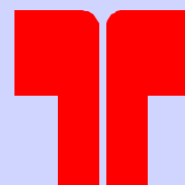
Available in 20ltr & 250kg barrel

## Other Segments:

- Concrete Admixtures • Surface Treatments • Grouts & Anchors • Repair & Rehabilitation
- Protective Coatings • Industrial Flooring • Waterproofing • Sealants • Adhesives

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## Thermax Business Portfolio

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