

Product Data Sheet
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Sika ViscoCrete®-SC 305 ID

Sika ViscoCrete® SC 305 ID

Superplasticiser for Sprayed Concrete

Description	Sika ViscoCrete® SC 305 ID is a customised third generation polycarboxylate polymer admixture for shotcrete application. The polymer significantly reduces water with improved slump life of the mix. Developed using nano technology, the specific polymer with a long molecular chain and attached side chains effectively disperse cement particles and through steric hindrance preserve slump life for long periods without retardation, while giving excellent hydration control.
Advantages	<ul style="list-style-type: none"> ■ Flowable concrete with low water cement ratios. ■ Maintain slump life with no retardation even at high temperatures. ■ Increased early and ultimate strengths. ■ Eliminates retempering the mix with additional admixture, (up to 4 hours). ■ Lower mix temperatures are experienced in comparison to naphthalene dosed mixes. ■ Mix compatibility with a far greater range of cement types, pozzolans, fibers and other materials. ■ Higher water reduction, in a range of 30 – 40 percent, hence optimizing cementitious materials.
Storage and Shelf Life	Stored at temperatures between 5°C and 35°C in unopened original containers protected from direct sunlight and frost, shelf life is at least one (1) year.
Dosage	The recommended dosage rate will vary between 400 – 1600 mls/ 100 kgs of cementitious material. Contact your local Sika Representative on special mixes.
Mixing	Optimal concrete plasticizing effect (maximum water reduction) is obtained if Sika ViscoCrete® SC 305 ID is introduced into concrete after the cement is wet out. Thorough mixing is essential to achieve the admixtures maximum dispersion effect.



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Technical Data (Typical)

Form	Modified co-polymer
Colour	Brown
Density (20°C)	1.07 - 1.09 kg/litre
pH Value (20°C)	4.0 ± 1.0
Chloride Content	No added chlorides
TEA Content	Does not contain triethanolamine
Air Entrainment	ViscoCrete® SC 305 ID is intentionally designed to entrain ample air in the mixes to counter bleed and promote improved pumping and spraying action.
Important Notes	Do not use ViscoCrete® SC 305 ID admixture with admixtures containing betanaphthalene-sulphonate such as Sikament NN. Erratic slump loss and pumpability may be experienced. Contact your local Sika Representative for further guidances.
Packaging	200 kg drum Bulk deliveries
Handling Precaution	Eyes – rinse thoroughly with water for at least 15 minutes. Consult a physician. Skin – wash skin thoroughly with soap and water. Remove contaminated clothing. If symptoms persist, consult a physician. Ingestion – Induce vomiting, get medical attention immediately. Inhalation – remove person to fresh air; if breathing has stopped, institute artificial respiration.
Spill Clean Up	Wear suitable protective equipment. Contain spill, collect with absorbent material and transfer into suitable containers. Avoid contact. Keep spills away from sewers and open bodies of water. Dispose of in accordance with local, state and federal environmental regulations. If dried, this material is an oxidizer and is classified as a ignitable waste.

Legal Notes

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