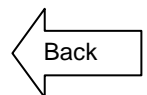


Product Data Sheet
 Edition 1, 2006
 Identification no:
 xx xx xx xx xxx x xxxxxx
 Version no. 0010
 Sika ViscoCrete®-SC 305 ID

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.



[Table of Contents](#)

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	The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the product when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



PT. Sika Indonesia
 Jl. Raya Cibinong- Bekasi km. 20
 Limusunggal- Cileungsi
 BOGOR 16820 - Indonesia
 Tel. +62 21 8230025
 Fax +62 21 8230026
 Website : idn.sika.com
 e-mail: sikacare@id.sika.com

Branches
 Gresik :
 Jln. KIG Raya Utara Kav 3/4, Kawasan Industri Gresik, Roomo,
 Manyar, Gresik - 61151
 Tel : 031-3951633; Fax : 031-3991632
 Medan :
 Jl. Serbaguna (Simp. Jalan Veteran), Kompleks Pergudangan Brayan
 Trade Center No. 34, Medan 20239
 Tel : (061) 844 6697, 844 6997 ; Fax : (061) 844 6698

