BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET

SikaControl® SC

SHRINKAGE COMPENSATING ADMIXTURE

PRODUCT DESCRIPTION

SikaControl® SC is a shrinkage compensating admixture used to produce highperformance concrete with greatly reduced potential for drying shrinkage, cracking and curling.

WHERE TO USE

SikaControl® SC can be used in any type of cast-in-place or precast/prestressed concrete, grout, mortar or any other cementitious mixes. Some of the applications of SikaControl® SC may include:

- Concrete floors, to compensate for drying shrinkage cracking, control curling and increased joint spacing.
- In thin bonded topping slabs, to minimize the difference in shrinkage between the new topping and the existing substrate.
- In concrete elements which are restrained against shrinkage.
- For bridge decks and parking structures.
- For mass concrete structures such as mat foundations, dams and other structures requiring large thickness of concrete exceeding 1 m (3 ft).
- For durable concrete in marine environments.
- For watertight concrete in reservoirs, sewage treatment plants, and dams.

CHARACTERISTICS / ADVANTAGES

- Greatly reduced cracking potential related to drying and autogenous shrinkage.
- Reduced curling and increased joint spacing.
- Substantially improved impermeability, resulting in improved concrete durability.

APPROVALS / CERTIFICATES

SikaControl® SC meets the requirements of ASTM C494 / AASHTO M194 Type S and is NSF/ANSI Standard 61 certified.

PRODUCT INFORMATION

Packaging	11.34 kg (25 lb) dissolvable bags and 907 kg (2,000 lb) Super Sacks.
Appearance / Colour	Off-white to light brown powder
Shelf Life	1 year when stored in dry warehouse conditions.

Storage Conditions	Store in dry environment; exposed, unprotected material will absorb moisture and carbon dioxide from the air resulting in reduced product performance.
Specific Gravity	Approx 3.35 ** Flexible Intermediate Bulk Container*
CSC MasterFormat®	**03 05 00 | SPECIAL APPLICATIONS**

APPLICATION INFORMATION

Recommended Dosage	The recommended dosage range for SikaControl® SC is from 2 to 7 % by weight of cement mass for concrete, mortars or grouts. When trial mixes are performed for mix approval, ensure that all materials used are representative of the materials to be used during actual production. For more information on the optimal dosage regarding the mix design, contact Sika Canada.
Mixing	SikaControl® SC can be added to the concrete either along with the other powder components or after all the other ingredients are added to the concrete mixer or truck. If it is added after all the other ingredients, adequate mixing should be ensured. The 25 lb repulpable bags are designed to disintegrate through a combination of wetting and grinding the paper during concrete mixing. To maximize product performance proper curing practices should be followed as per ACI 308 or project specifications. Limitations: ▪ Do not introduce dissolvable bags into concrete mixes with low water to cementitious material ratios and smaller size aggregates as these mixes may not develop sufficient mixing energy to fully dissolve the bags. Always determine the capacity of the bags to dissolve by pretesting mix designs and batch sequence. ▪ Not following proper curing practices will lead in a decrease of efficiency of the admixture. ▪ SikaControl® SC will provide best results by using wet curing methods. ▪ The use of a curing and sealing compounds will reduce the efficiency of the admixture. **Combination with SCM's and Other Admixtures:** SikaControl® SC is compatible with commonly used SCM's and other Sika admixtures. Do not premix with other admixtures.

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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 products 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

Sika Canada Inc.
Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations
Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)