BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET

Sikament®-475

MULTI RANGE WATER REDUCING ADMIXTURE

PRODUCT DESCRIPTION

Sikament®-475 is a multi-range water reducing admixture utilizing Sika's ViscoCrete®Technology.

WHERE TO USE

Sikament®-475 is recommended for use in the production of conventional ready mixed concrete. Addition of Sikament®-475 to concrete enables water reduction and workability retention. Concrete containing Sikament®-475 can be used for almost any application, including slabs, paving, footings, wall panels, beams, columns and other concrete elements.

CHARACTERISTICS / ADVANTAGES

- Water reduction
- Improves workability retention without significantly delaying the set time of concrete
- Improves the mechanical finishability of concrete
- Minimizes potential for segregation in concrete
- Improves pumpability and reduces stickiness in concrete
- Improves finishability and surface appearance of concrete

Sikament®-475 does not contain calcium chloride or any other intentionally added chlorides and will not contribute to corrosion on steel reinforcement present in the concrete.

ENVIRONMENTAL INFORMATION

- Conformity with LEED®v4 MR Credit (Option 1): Building Product Disclosure and Optimization – Environmental Product Declarations

APPROVALS / CERTIFICATES

- Sikament®-475 meets the requirements for ASTM C494 Types A and F.

PRODUCT INFORMATION

CSC MasterFormat®	**03 05 00**
Packaging	205 L (54 US gal.) drum 1040 L (275 US gal.) IBC Bulk delivery
Shelf Life	1 year when stored in dry warehouse conditions at temperatures between 5 °C and 27 °C (40 °F and 80 °F).
Storage Conditions	Store at temperatures above 5 °C (40 °F). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.
Appearance / Colour	Liquid / Light Grey

Specific Gravity	Approx. 1.05

APPLICATION INFORMATION

Recommended Dosage	For general concreting applications, the recommended dosage is 195-980 mL/100 kg cementitious materials. Dosage rates will vary depending on the material used, ambient conditions and the requirements of a specific project. If maximum water reduction is required, dosage up to 1300 mL per 100 kg of cementitious materials may be used. In this case, delayed setting times may occur. Dosage rates outside the recommended range may be used where specialized materials such as microsilica are specified, extreme ambient conditions are encountered or unusual project conditions require special consideration. Contact your Sika Canada Technical Sales Representative for further information.
Mixing	**Mixing** For best plasticizing results, Sikament®-475 should be added directly to freshly mixed concrete in the concrete mixer or at the end of the batching cycle. Sikament®-475 may also be dispensed as an integral material during the regular admixture batching cycle, or into freshly mixed concrete in a ready-mix truck at the concrete plant or job site. To optimize the superplasticizing effect, Sika recommends that the combined materials be mixed for 60-100 revolutions, either in the concrete mixer or in the ready-mix truck. **Combination with other admixtures:** Sikament®-475 is highly effective as a single admixture or in combination with other admixtures in the Sika System. If used in combination with certain Sikament® high range water reducers, it may affect the plastic properties of fresh concrete. Contact your Sika Canada Technical Sales Representative for further information. **Combination with pozzolanic materials:** Sikament®-475 is particularly well suited for use with pozzolanic materials such as fly ash, slag, silica fume and metakaolin.

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

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