



## PRODUCT DATA SHEET

# Sika® Plastocrete®-250

### WATER REDUCING ADMIXTURE

#### PRODUCT DESCRIPTION

Sika® Plastocrete®-250 is a new generation water reducing admixture.

#### WHERE TO USE

Sika® Plastocrete®-250 is recommended for use in the production of conventional ready mixed concrete, whenever increased plasticity and higher ultimate strengths are desired.

#### CHARACTERISTICS / ADVANTAGES

The use of Sika® Plastocrete®-250 provides the following benefits in concrete:

- Improved workability
- Improved compressive and flexural strength
- Allows optimization of cement content
- Improved finishability
- Improved durability

Sika® Plastocrete®-250 does not contain intentionally added chlorides and will not initiate nor promote the corrosion of steel in the concrete.

#### APPROVALS / CERTIFICATES

Sika® Plastocrete®-250 meets the requirements of ASTM C494 Type A, B and D.

#### PRODUCT INFORMATION

CSC MasterFormat®	03 05 00
Packaging	205 L (54 US gal.) drums 1040 L (275 US gal.) IBC Bulk delivery
Appearance / Colour	Black Liquid / Dark Brown
Shelf Life	1 year when stored in original, unopened packaging, in dry warehouse conditions at temperatures between 5 and 27 °C (40 and 80 °F).
Storage Conditions	Store at temperatures above 5 °C (40 °F). Protect from direct sunlight. If frozen, thaw and agitate thoroughly to return to normal state.
Specific Gravity	1.06

## APPLICATION INFORMATION

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### Recommended Dosage

Dosage rates will vary depending on the material used, ambient conditions and the requirements of a specific project. For general concreting applications, Sika recommends a dosage rate between 130 and 330 mL/100 kg (2–5 fl.oz./100 lbs) of cementitious materials for normal water reduction and setting characteristics.

Dosage rates of 330 – 590 mL/100 kg (5-9 fl.oz./100 lbs.) of cementitious materials are recommended for applications where higher water reduction is needed as well as extended workability and prolonged setting times.

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. In this case, contact your Sika Canada Technical Sales Representative for further information

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### Mixing

For best plasticizing results, Sika® Plastocrete®-250 should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle. Sika® Plastocrete®-250 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 plasticizing effect, Sika recommends that the combined materials be mixed for 80 - 100 revolutions, either in the concrete mixer or in the ready-mix truck.

**Combination with other Admixtures:** Sika® Plastocrete®-250 is highly effective as a single admixture or in combination with other admixtures. When used in combination with other admixtures, dispense each admixture separately into the concrete. Do not mix with dry cement. contact your Sika Canada Technical Sales Representative for further information.

**Combination with pozzolanic materials:** Sika® Plastocrete®-250 can be successfully used in mix designs utilizing pozzolanic materials such as fly ash and GGBFS.

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## 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](http://www.sika.ca)

### **Sika Canada Inc.**

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### **Other locations**

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

### **Product Data Sheet**

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