



# PRODUCT DATA SHEET

## SikaSet® HE

### ACCELERATING CHLORIDE-BASED ADMIXTURE FOR CONCRETE

#### PRODUCT DESCRIPTION

SikaSet® HE is a new generation, synthetically manufactured, accelerating, water reducing admixture for concrete. SikaSet® HE is designed to accelerate the setting time of concrete and particularly that of fly ash concrete, while providing higher early and ultimate strengths.

#### WHERE TO USE

SikaSet® HE is designed for concrete where accelerated-setting characteristics are desired. SikaSet® HE is especially effective in concretes containing such pozzolanic materials as fly ash, silica fume and slag. SikaSet® HE is not recommended for prestressed concretes or other applications where the use of chlorides would be forbidden.

**Note:** SikaSet® HE will not protect concrete against the effects of frost.

#### CHARACTERISTICS / ADVANTAGES

- Controlled acceleration (determined by dosage)
- Increased workability and easier placeability
- Improved finishing characteristics for flatwork
- Easier and faster pumping of concrete
- Reduced segregation at a given slump
- Reduced permeability
- Increased concrete durability and uniformity
- Improved appearance of architectural concrete
- Increased strength at all ages

#### ENVIRONMENTAL INFORMATION

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

#### APPROVALS / CERTIFICATES

SikaSet® HE meets or exceeds the requirements of ASTM C494, Types C and E and CSA A23.1-00.

#### PRODUCT INFORMATION

CSC MasterFormat®	03 05 00
Packaging	205 L (54 US gal.) drum 1040 L (275 US gal.) IBC Bulk delivery
Appearance / Colour	Brown / liquid
Shelf Life	1 year when stored in dry warehouse conditions at temperatures between -35 °C and +27 °C (-30 °F and 80 °F).
Storage Conditions	Store at above -35 °C (-30 °F). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.

## APPLICATION INFORMATION

### Recommended Dosage

The recommended dosage range for SikaSet® HE is 455-4560 mL/100 kg of cementitious material. A normal equivalent for a 1 % calcium chloride addition would be a dosage of 2280 mL/100 kg of cement, and the 2% dosage would represent 4560 mL/100 kg. It is suggested that trial batches be conducted in order to determine the required dosage for optimum performance with your concrete components. Contact your Sika Canada Technical Sales Representative for further information.

### Mixing

#### Mixing

For best results, it is recommended to dispense SikaSet® HE into the batched water. SikaSet® HE is compatible with other Sika admixtures. However, each admixture should be added separately to the mix.

#### Clean Up

Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.

## 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)

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#### Other locations

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

#### Product Data Sheet

SikaSet® HE  
April 2022, Version 01.01  
021402021000000037