



## PRODUCT DATA SHEET

# Sika® Plastocrete®-161 N

### WATER-REDUCING ADMIXTURE FOR CONCRETE



#### PRODUCT DESCRIPTION

Sika® Plastocrete®-161 N is a new generation, synthetically manufactured, water-reducing normal set admixture for concrete. Sika® Plastocrete®-161 N provides for a more plastic and flowable concrete, greater uniformity, increased durability, reduced shrinkage and permeability in your concrete.

#### WHERE TO USE

Since Sika® Plastocrete®-161 N is calcium chloride-free, it is recommended for use in all types of concrete including plain, reinforced, paving, precast and prestressed concretes. Sika® Plastocrete®-161 N is especially effective in concretes containing such pozzolanic materials as fly ash, silica fume and slag.

#### CHARACTERISTICS / ADVANTAGES

- Increased workability and easier placeability
- Improved finishing characteristics for flatwork
- Easier and faster pumping of concrete

#### PRODUCT INFORMATION

CSC MasterFormat®	03 05 00   WATER-REDUCERS
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 ranging between +4 °C and +27 °C (40 °F and 80 °F).

- Reduced shrinkage and cracking
- Reduced permeability
- Increased concrete durability and uniformity
- Improved appearance of architectural concrete
- Increased strength at all ages
- Reduced segregation at a given slump

#### ENVIRONMENTAL INFORMATION

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

#### APPROVALS / CERTIFICATES

Meets or exceeds the requirements of ASTM C494, Type A and CSA A23.1-00.

<b>Storage Conditions</b>	Store at temperatures above +4 °C (40 °F). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.
<b>Appearance / Colour</b>	Liquid / Dark brown
<b>Specific Gravity</b>	Approx 1.2
<b>Recommended Dosage</b>	The recommended dosage range for Sika® Plastocrete®-161 N is 120-500 mL/100 kg (2-8 oz per 100 lb) of cementitious material. It is suggested that trial batches be conducted in order to determine the appropriate dosage to obtain the required slump. Sika® Plastocrete®-161 N is compatible with other Sika admixture. Contact your Sika Canada Technical Sales Representative for further information. <b>Mixing</b> For best results, it is recommended to dispense Sika® Plastocrete®-161 N into the batched water. Sika® Plastocrete®-161 N is compatible with other Sika® admixtures. However, each admixture should be added separately to the mixer.

## 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)

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### Product Data Sheet

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