

## PRODUCT DATA SHEET

# Sika® Plastocrete®-10 N

### WATER REDUCING ADMIXTURE

#### PRODUCT DESCRIPTION

Sika® Plastocrete®-10 N is a new generation, synthetically manufactured, water reducing normal set admixture for concrete. Sika® Plastocrete®-10 N provides a more plastic and flowable concrete, greater uniformity, increased durability, and reduced shrinkage and permeability in your concrete. Sika® Plastocrete®-10 N meets the requirements of ASTM C 494, Type A, B and D admixture.

#### USES

Since Sika® Plastocrete®-10 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®-10 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.
- Reduced shrinkage and cracking.
- Reduced segregation at a given slump.
- Reduced permeability.
- Increased concrete durability and uniformity.
- Improved appearance of architectural concrete.
- Increased strength at all ages.

#### PRODUCT INFORMATION

<b>Packaging</b>	Sika® Plastocrete®-10 N is available in 55 gallon drums (208 liter), 275 gallon totes (1040 liters) and bulk delivery.
<b>Appearance / Color</b>	Dark Brown Liquid
<b>Shelf Life</b>	Shelf life when stored in dry warehouse conditions between 50 °F and 80 °F (10-27 °C) is one year.
<b>Storage Conditions</b>	Sika® Plastocrete®-10 N should be stored at above 40 °F (5 °C). If frozen, thaw and agitate thoroughly to return to normal state.
<b>Specific gravity</b>	Approx. 1.20

## APPLICATION INFORMATION

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### Recommended Dosage

The recommended dosage range for Sika® Plastocrete®-10 N is 1.5-5.0 ounces per 100 lbs. (100-325 ml / 100 kg) of cementitious material. Various concrete materials, slump, ambient air temperature, additions of pozzolanic materials, mixing time, and type and brand of cement will affect dosage rates. When used at a dosage rate of 3.5-5.0 ounces per 100 lbs. (230-325 ml / 100 kg) of cementitious material, Sika® Plastocrete®-10 N performs as a set-retarding admixture for concrete.

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 please contact your local regional Sika representative or Sika Technical Service Department at 1-800-933-7452 for further information.

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### Mixing

For best plasticizing results, Sika® Plastocrete®-10 N should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle. Sika® Plastocrete®-10 N 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 80-100 revolutions, either in the concrete mixer or in the Ready-Mix truck.

**Combination with Other Admixtures:** Sika® Plastocrete®-10 N 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. Please contact your local Sika representative or Technical Service Department at 1-800-933-7452 for further information.

**Combination with Pozzolanic Materials:** Sika® Plastocrete®-10 N can be successfully used in mix designs utilizing pozzolanic materials such as fly ash and GGBFS.

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## BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## OTHER RESTRICTIONS

See Legal Disclaimer.

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must

## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling 1-800-933-7452.

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**Product Data Sheet**  
Sika® Plastocrete®-10 N  
August 2020, Version 01.03  
021303011000000412

SikaPlastocrete-10N-en-US-(08-2020)-1-3.pdf

