

PRODUCT DATA SHEET

Sika® Plastocrete®-250

WATER REDUCING ADMIXTURE

PRODUCT DESCRIPTION

Sika® Plastocrete®-250 is a new generation water reducing admixture. Sika® Plastocrete®-250 meets the requirements of ASTM C-494 Type A, B and D.

USES

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.

PRODUCT INFORMATION

Packaging	Sika® Plastocrete®-250 is available in 55 gallon drums (208 liters), 275 gallon totes (1040 liters) and bulk delivery.
Appearance / Color	Dark Brown / Black Liquid
Shelf Life	Shelf life when stored in dry warehouse conditions between 40 °F and 80 °F (5–27 °C) is one year.
Storage Conditions	Sika® Plastocrete®-250 should be stored at above 40 °F (5 °C). If frozen, thaw and agitate thoroughly to return to normal state. Protect from direct sunlight.
Specific gravity	Approx. 1.06

APPLICATION INFORMATION

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 2–5 fl.oz./100 lbs. (130–330 ml/100 kg) of cementitious materials for normal water reduction and setting characteristics.

Dosage rates of 5-9 fl.oz./100 lbs. (330-590 ml/100 kg) 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 please contact your local regional Sika office or Sika technical service department at 1-800-933-7452 for further information.

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. Please contact your local regional office or Technical Service Department at 1-800-933-7452 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.

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.

Data Sheets containing physical, environmental, toxicological and other safety related data. User must 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.

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

OTHER RESTRICTIONS

See Legal Disclaimer.

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 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®-250
August 2020, Version 01.03
021303011000000669

SikaPlastocrete-250-en-US-(08-2020)-1-3.pdf

