

PRODUCT DATA SHEET

SikaPlast[®]-200

Mid-Range Water Reducing Admixture

PRODUCT DESCRIPTION

SikaPlast[®]-200 is a mid-range water-reducing admixture specifically formulated to enhance the finishability and workability of concrete. SikaPlast[®]-200 meets the requirements of ASTM C 494, Type A and Type G.

USES

SikaPlast[®]-200 can be used in all types of concrete including plain, reinforced, extruded, precast and prestressed concretes. SikaPlast[®]-200 is especially effective in concrete containing such pozzolanic materials as fly ash, silica fume and slag. SikaPlast[®]-200 is a non-chloride based admixture.

CHARACTERISTICS / ADVANTAGES

- Increased workability and easier placeability.
- Improved finishing characteristics.
- Mid-range water-reducing characteristics.
- Easier and faster pumping of concrete.
- Reduced shrinkage and cracking.
- Reduced permeability.
- Increased concrete durability and uniformity.
- Improved appearance of architectural concrete.
- Increased strength at all ages.

PRODUCT INFORMATION

Packaging	SikaPlast [®] -200 is available in 55 gallon drums (208 liters), 275 gallon totes (1040 liters) and bulk delivery.
Appearance / Color	Dark Brown Aqueous Solution
Shelf Life	Shelf life when stored in dry warehouse conditions between 40 °F and 80 °F (5–27 °C) is 1 year from the date of manufacture.
Storage Conditions	SikaPlast [®] -200 should be kept above 35 °F (2 °C). If accidentally frozen, its properties can be restored by thawing and thoroughly re-mixing by mild mechanical agitation.
Specific Gravity	Approx. 1.30

APPLICATION INFORMATION

Recommended Dosage

The recommended dosage range for SikaPlast®-200 is 3.0 to 15.0 ounces per 100 lbs. (195 to 980 ml per 100 kg) of cementitious material. At a low and moderate dosage rate, SikaPlast®-200 acts as a Type A, water-reducing admixture. At a higher dosage rate, it acts as a Type G, high range water-reducing and retarding admixture.

When using SikaPlast®-200, the introduction of fly ash will enhance the retarding effect on the setting properties. Dosage rates vary depending upon the amount of plasticity and/or water reduction desired. Various concrete materials, slump, ambient air temperature, additions of pozzolanic materials, mixing time, and type and brand of cement will affect dosage rates. It is recommended that trial mixes be conducted in order to determine the required dosage for optimum performance with your concrete components. Consult your local Sika representative or Sika Technical Services Department at 1-800-933-7452 for dosage recommendations.

Mixing

For best results, SikaPlast®-200 should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle. SikaPlast®-200 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: SikaPlast®-200 is highly effective as a single admixture or in combination with other Sika admixtures. If more than one admixture is used, the admixtures must be added separately to the concrete mix. Please contact your local regional office or Technical Service Department at 1-800-933-7452 for further information.

Combination with Pozzolanic Materials: SikaPlast®-200 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.

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 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.

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

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