

PRODUCT DATA SHEET

SikaPlast[®]-300 GP

MID RANGE WATER REDUCING ADMIXTURE

PRODUCT DESCRIPTION

SikaPlast[®]-300 GP is a new generation mid range water-reducing admixture formulated to increase water reduction and compressive strengths. Normal concrete setting characteristics are obtained at recommended dosage range. SikaPlast[®]-300 GP meets the requirements of ASTM C 494, Type A & F.

USES

SikaPlast[®]-300 GP can be used in all types of concrete including plain, reinforced, extruded, precast and prestressed concretes. SikaPlast[®]-300 GP is especially effective in concrete containing such pozzolanic materials as fly ash, silica fume and slag. SikaPlast[®]-300 GP is a non-chloride based admixture.

CHARACTERISTICS / ADVANTAGES

- Superior finishing characteristics.
- Easier and faster pumping of concrete.
- Reduced concrete shrinkage and cracking.
- Increased compressive and flexural strengths.
- Reduced permeability.
- Extended slump retention.
- Improved appearance of architectural concrete.
- Increased strength at all ages.

PRODUCT INFORMATION

Packaging	SikaPlast [®] -300 GP is available in 55 gallon drums (208 liters), 275 gallon totes (1040 liters) and bulk delivery.
Appearance / Color	Dark Brown Liquid
Shelf Life	Shelf life when stored in dry warehouse conditions between 40 °F and 80 °F (5–27 °C) is 1 year from date of manufacture.
Storage Conditions	SikaPlast [®] -300 GP 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. 1.08

APPLICATION INFORMATION

Recommended Dosage

The recommended dosage range for SikaPlast®-300 GP is 2.0 to 12.0 ounces per 100 lbs. (130 to 780 ml per 100 kg) of cementitious material. If maximum water reduction is required, dosage rates up to 20.0 ounces per 100 lbs. (1300 ml per 100 kg) of cementitious may be used. In this case, delayed setting time will likely occur.

Dosage rates vary depending upon the amount of plasticity and/or water reduction desired. Various concrete materials, slump, ambient air temperature, water-cementitious ratio, 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 plasticizing results, SikaPlast®-300 GP should be added directly to freshly mixed concrete in the concrete mixer at the end of the batching cycle. SikaPlast®-300 GP 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: SikaPlast®-300 GP is highly effective as a single admixture or in combination with other admixtures. However, combining SikaPlast®-300 GP with any other admixture containing Naphthalene Sulfonates such as Sikament® SPMN, may result in a rapid slump loss. Mixing and transporting equipment's should be thoroughly washed between subsequent batches of concrete containing Naphthalene Sulfonates and SikaPlast®-300 GP. Please contact your local regional office or Technical Service Department at 1-800-933-7452 for further information.

Combination with Pozzolanic Materials: SikaPlast®-300 GP 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.

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071
Phone: +1-800-933-7452
Fax: +1-201-933-6225
usa.sika.com

Sika Mexicana S.A. de C.V.
Carretera Libre Celaya Km. 8.5
Fracc. Industrial Balvanera
Corregidora, Queretaro
C.P. 76920
Phone: 52 442 2385800
Fax: 52 442 2250537



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