



PRODUCT DATA SHEET

Sika® Plastiment®

WATER REDUCING AND RETARDING ADMIXTURE

PRODUCT DESCRIPTION

Sika® Plastiment® is a water-reducing and retarding admixture. Sika® Plastiment® meets the requirements of ASTM C-494 Types B and D and AASHTO M194 Types B and D admixtures.

USES

Sika® Plastiment® is recommended for use whenever high quality concrete with predictable and controlled set times is desired. Use in flatwork and horizontal or vertical slipform placements where a superior surface finish is required.

CHARACTERISTICS / ADVANTAGES

Sika® Plastiment® is highly effective in hot weather concreting to offset the accelerating effects of high ambient temperatures by slowing the hydration reaction and controlling the hydration heat. Concrete workability is enhanced and a superior surface finish is obtained. In mass concrete pours Sika® Plastiment® controls temperature rise and reduces the risk of thermal cracking.

- Initial set times are delayed, allowing time for proper placement and finishing without cold joints in hot weather conditions.
- Sika® Plastiment® increases concrete density and delivers increased early and ultimate, compressive and flexural strengths.
- For flatwork applications Sika® Plastiment® acts as a finishing aid, workability is improved, bleeding is controlled and a superior surface finish is obtained.
- Lower water cement ratios provide decreased permeability and increased durability.
- Sika® Plastiment® can be used to retard concrete during the hot weather concreting.

Refer to ACI 305R Hot Weather Concreting for more information. Sika® Plastiment® does not contain no calcium chloride or any other intentionally added chlorides.

PRODUCT INFORMATION

Packaging	Sika® Plastiment® is available in 55 gallon drums (208 liter), 275 gallon totes (1040 liters) and bulk delivery.
Appearance / Color	Fluorescent Green / Brown Liquid
Shelf Life	Shelf life when stored in dry warehouse conditions between 50 °F and 80 °F

(10–27 °C) is one year.

Storage Conditions	Sika® Plastiment® should be stored at above 30 °F (-1 °C). If frozen, thaw and agitate thoroughly to return to normal state before use.
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Specific gravity	Approx. 1.18
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APPLICATION INFORMATION

Recommended Dosage	Dosage rates of 2-4 fl.oz. / 100 lbs. (130-260 ml / 100 kg) cement are recommended for general concrete applications. Where extended retardation is required dosage may be increased. Please contact your local Sika representative for more information and assistance.
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Mixing	Add Sika® Plastiment® at the concrete plant. Measure required quantity manually or by automated dispenser. Add into the water line at the batch plant or directly into the concrete at the end of the mixing cycle. When used in combination with other admixtures, care must be taken to dispense each admixture separately into the mix. Do not mix with dry cement. Combination with Other Admixtures: Sika® Plastiment® works effectively as a single admixture or in combination with other admixtures in the Sika system.
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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.

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.

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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