



## PRODUCT DATA SHEET

# Sika® Plastiment® XR

### WATER REDUCING AND RETARDING ADMIXTURE

#### PRODUCT DESCRIPTION

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

#### USES

Sika® Plastiment® XR should be used in concrete when a controlled delay in set time or increase in slump retention of concrete is desired. Sika® Plastiment® XR can be added to concrete used for several applications including - flatwork, horizontal or vertical slipform placements and other applications. Use of Sika® Plastiment® XR provides a superior surface finish in both formed and finished concrete.

#### CHARACTERISTICS / ADVANTAGES

- Reduces the rate of hydration of cement and controls concrete temperature.
- Improves slump retention and retards set time of concrete.
- Provides sufficient time for placement and finishing of concrete without cold joints in hot weather conditions.
- In flatwork applications, Sika® Plastiment® XR acts as a finishing aid, improves workability, controls bleeding and provides a superior surface finish.
- In mass concrete pours, Sika® Plastiment® XR controls temperature rise and reduces the risk of thermal cracking.
- Improves compressive strength, flexural strength and durability by controlling the cement hydration reaction.
- Improves homogeneity in the mix and reduces chances of segregation.

Refer to ACI 305R Hot Weather Concreting for more information. Sika® Plastiment® XR is non-chloride based and does not contain any intentionally added chlorides.

#### PRODUCT INFORMATION

<b>Packaging</b>	Sika® Plastiment® XR is available in 55 gallon drums (208 liters), 275 gallon totes (1040 liters) and bulk delivery.
<b>Appearance / Color</b>	Light Yellow to Light Brown Liquid
<b>Shelf Life</b>	Shelf life when stored in dry warehouse conditions between 40 °F and 80 °F (5–27 °C) is one year.
<b>Storage Conditions</b>	Sika® Plastiment® XR 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. 1.08

## APPLICATION INFORMATION

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### Recommended Dosage

For general concrete applications, Sika recommends a dosage rate of 2-5 fl.oz / 100 (130-326 ml / 100 kg) of cementitious materials. Dosage rates will vary depending on factors such as materials used, concrete temperature, ambient temperature and specific requirements of the project. Exact dosage required must be determined by conducting trial mixes. Dosages outside the recommended range can be used to meet specific project requirements after conducting trial mixes.

For more information please contact your local Sika representative or technical service department at 1-800-933-7452.

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### Mixing

Add Sika® Plastiment® XR 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. Do not mix with dry cement.

**Combination with Other Admixtures:** Sika® Plastiment® XR is compatible with other Sika admixtures. When used in combination with other admixtures, each admixture should be added to the concrete separately.

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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](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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