



PRODUCT DATA SHEET

Sika® Plastiment®

WATER-REDUCING AND RETARDING ADMIXTURE



PRODUCT DESCRIPTION

Sika® Plastiment® is a water-reducing and retarding admixture.

WHERE TO USE

- Sika® Plastiment® is recommended for use whenever high quality concrete with predictable and controlled set times is desired.
- Use in horizontal or vertical 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 calcium chloride or any other intentionally added chlorides.

APPROVALS / CERTIFICATES

Sika® Plastiment® meets the requirements of ASTM C494 Types B and D.

PRODUCT INFORMATION

CSC MasterFormat®	03 05 00
Packaging	205 L (54 US gal.) drum 1040 L (275 US gal.) IBC container Bulk delivery
Appearance / Colour	Brownish liquid

Shelf Life	1 year when stored in dry warehouse conditions between 10 - 27°C (50 - 80°F).
Storage Conditions	Store at above 5°C (40°F). If frozen, thaw and agitate thoroughly to return to normal state before use.
Specific Gravity	Approx. 1.2

APPLICATION INFORMATION

Recommended Dosage	<p>Dosage rates will vary depending on the materials used, ambient conditions and the requirements of a specific project.</p> <p>For general concreting applications, Sika recommends a dosage rate between 50 - 260 mL/100 kg of cementitious materials. Where extended retardation is required, dosage may be increased. 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 Sika Canada Technical Sales Representative for further information.</p>
Mixing	<p>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.</p> <p>Combination with Other Admixtures: Sika® Plastiment® works effectively as a single admixture or in combination with other admixtures in the Sika system.</p>

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

ENVIRONMENT, HEALTH & SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or may be downloaded from our website at: www.sika.ca

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