

# Sika® Plastiment®

## Water-Reducing and Retarding Admixture

**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.

**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.

- Approved by the Ontario Ministry of Transportation.
- Approved by the Ministère des Transports du Québec.

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

<b>Typical Data</b>	
<b>Packaging</b>	205 L (54 US gal.) drum 1040 L (275 US gal.) IBC container Bulk delivery
<b>Colour and Form</b>	Green liquid
<b>Shelf Life and Storage</b>	1 year when stored in dry warehouse conditions between 10 - 27°C (50 - 80°F). Stored at above 5°C (40°F). If frozen, thaw and agitate thoroughly to return to normal state before use.
<b>Properties</b>	
<b>Specific Gravity</b>	Approx. 1.2

### How to Use

**Dosage** Dosage rates will vary depending on the material used, ambient conditions and the requirements of a specific project.

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.



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<b>Mixing</b>	<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.</p> <p><b>Combination with other Admixtures:</b> Sika® Plastiment® works effectively as a single admixture or in combination with other Sika® admixtures. 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>
<b>Clean Up</b>	<p>Use personal protective equipment (chemical resistant goggles/gloves/clothing). Without direct contact, remove spilled or excess product and place in suitable sealed container. Dispose of excess product and container in accordance with applicable environmental regulations.</p>
<b>Health and Safety Information</b>	<p>For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the <b>most recent Material Safety Data Sheet</b> containing physical, ecological, toxicological and other safety-related data.</p> <p>KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL USE ONLY</p>

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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, within their shelf life. 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under [www.sika.ca](http://www.sika.ca).



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