

# Plastiment®

## Water Reducing and Retarding Admixture

<b>Description</b>	<p>Plastiment is a water-reducing and retarding admixture.</p> <p>Plastiment meets the requirements of ASTM C-494 Types B and D.</p>
<b>Applications</b>	<p>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.</p>
<b>Advantages</b>	<p>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.</p> <p>In mass concrete pours Plastiment controls temperature rise and reduces the risk of thermal cracking.</p> <ul style="list-style-type: none"><li>■ Initial set times are delayed, allowing time for proper placement and finishing without cold joints in hot weather conditions.</li><li>■ Plastiment increases concrete density and delivers increased early and ultimate, compressive and flexural strengths.</li><li>■ For flatwork applications Plastiment acts as a finishing aid, workability is improved, bleeding is controlled and a superior surface finish is obtained.</li><li>■ Lower water cement ratios provide decreased permeability and increased durability.</li><li>■ Plastiment can be used to retard concrete during the hot weather concreting. Refer to ACI 305R Hot Weather Concreting for more information.</li></ul> <p>Plastiment does not contain calcium chloride or any other intentionally added chlorides.</p>

### 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 2-4 fl. oz./100 lbs. (130-260 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 local regional Sika office or Sika technical service department at 1-800-933-7452 for further information.

<b>Mixing</b>	Add 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.  <b>Combination with other Admixtures:</b> Plastiment works effectively as a single admixture or in combination with other admixtures in the Sika System. 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.
<b>Packaging</b>	Plastiment is supplied in 55 gallon (208 liter) drums and bulk delivery.
<b>Storage and Shelf-life</b>	Plastiment should be stored at above 40°F (5°C). If frozen, thaw and agitate thoroughly to return to normal state before use.  Shelf life when stored in dry warehouse conditions between 50°F and 80°F (10°C- 27°C) is one year.
<b>Typical Data</b>	
<b>Appearance</b>	Flourescent Green Brown liquid.
<b>Specific Gravity</b>	Approx. 1.2
<b>Caution</b>	Skin and eye irritant; avoid contact. The use of NIOSH approved respirator, safety goggles and rubber gloves is recommended. Avoid breathing product. Use with adequate ventilation. Remove contaminated clothing.
<b>Handling and Storage</b>	Avoid direct contact. Wear personal protective equipment (chemical resistant goggles/gloves/clothing) to prevent direct contact with skin and eyes. Use only in well ventilated areas. Wash thoroughly with soap and water after use. Remove contaminated clothing and launder before reuse.
<b>First Aid</b>	<b>Eyes:</b> Hold eyelids apart and flush thoroughly with water for 15 minutes. <b>Skin:</b> Remove contaminated clothing. Wash skin thoroughly for 15 minutes with soap and water. <b>Inhalation:</b> Remove person to fresh air. <b>Ingestion:</b> Do not induce vomiting. Dilute with water. Contact a physician. <b>In all cases, contact a physician immediately if symptoms persist.</b>
<b>Clean Up</b>	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.

**KEEP CONTAINER TIGHTLY CLOSED • KEEP OUT OF REACH OF CHILDREN • NOT FOR INTERNAL CONSUMPTION • FOR INDUSTRIAL USE ONLY**

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