

Plastiment®

Water Reducing and Retarding Admixture

Description	Plastiment® is a water-reducing and retarding admixture. Plastiment® meets the requirements of ASTM C-494 Types B and D and AASHTO M194 Types B and D admixtures.
Applications	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.
Benefits	<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. In mass concrete pours Plastiment® controls temperature rise and reduces the risk of thermal cracking.</p> <ul style="list-style-type: none">■ Initial set times are delayed, allowing time for proper placement and finishing without cold joints in hot weather conditions.■ Plastiment® increases concrete density and delivers increased early and ultimate, compressive and flexural strengths.■ For flatwork applications 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.■ Plastiment® can be used to retard concrete during the hot weather concreting. <p>Refer to ACI 305R Hot Weather Concreting for more information. Plastiment® does not contain no calcium chloride or any other intentionally added chlorides.</p>
How to Use	
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.

Concrete



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Mixing	<p>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.</p> <p>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: Plastiment® works effectively as a single admixture or in combination with other admixtures in the Sika system.</p>
Packaging	Plastiment® is available in 55 gallon drums (208 liter), 275 gallon totes (1040 liters) and bulk delivery.
Storage and Shelf Life	<p>Plastiment® should be stored at above 30°F (-1°C). If frozen, thaw and agitate thoroughly to return to normal state before use.</p> <p>Shelf life when stored in dry warehouse conditions between 50°F and 80°F (10°C- 27°C) is one year minimum.</p>
Typical Data	
Appearance	Fluorescent Green/Brown Liquid
Specific Gravity	Approx. 1.18

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Quality Certification Numbers: Lyndhurst: FM 69711 (ISO 9000), FM 70421 (QS 9000), Marion: FM 69715, Kansas City: FM 69107, Santa Fe Springs: FM 69408

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