

# Plastiment®-PR 200 M

## Water-Reducing and Retarding Concrete Admixture

**Product Description** Plastiment®-PR 200 M is used as a concrete plasticiser and retarder where high quality concrete is required under difficult climatic conditions. This product is suitable for tropical and hot climatic conditions.

**Uses** Plastiment®-PR 200 M is used to produce high quality concrete in applications such as:

- Ready mixed concrete requiring high workability
- Site batched concrete
- High concrete temperatures
- Difficult placing conditions
- Long transport distances

**Advantages** Plastiment®-PR 200 M provides the following properties:

- Good retention of workability at high concrete temperature
- Reduced water without loss of workability
- Increased strengths
- Reduced shrinkage and creep
- Better surface finish

### Tests

**Approvals / Standards** Plastiment®-PR 200 M complies with ASTM C 494 Type B & D depending upon dosage used

### Product Data

**Form** Liquid

**Appearance / Colour** Brown

**Packaging** 1000 lt. flow bins.  
Bulk supply in tanker trucks is possible on request.

### Storage

**Storage conditions** Store in a dry area and at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

**Shelf Life** 12 months minimum from date of production if stored properly in original unopened packaging.

### Technical Data

**Chemical Base** Selected organic polymers

**Density** Approximately 1.18 kg/lt

**Chloride content** Nil (EN 934-2)



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## Application Details

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<b>Dosage</b>	0.3 - 0.9% by weight of cement. It is advisable to carry out trial mixes to establish the exact dosage rate required.
<b>Compatibility</b>	<b>Plastiment®-PR 200 M</b> can be combined with all Plastiment and Sikament admixtures. It is also compatible with sulfate resistant cement. Please consult our Technical Services Department for any special usage.
<b>Dispensing</b>	<b>Plastiment®-PR 200 M</b> is added to the gauging water prior to its addition to the dry mix.
<b>Concrete Placing</b>	The standard rules of good concreting practice (production as well as placing) must also be observed when using <b>Plastiment®-PR 200 M</b> . Refer to relevant standards.
<b>Curing</b>	Fresh concrete must be cured properly, especially at high temperatures in order to prevent plastic and drying shrinkage. Use Sika Antisol® products as a curing agent or apply wet hessian.
<b>Cleaning</b>	Clean all equipment and tools with water immediately after use.
<b>Notes on Application / Limitations</b>	When using <b>Plastiment®-PR 200 M</b> a suitable mix design must be selected and local material sources should be trialled. When accidental overdosing occurs (within reason), the set retarding effect increases. During this period the concrete must be kept moist in order to prevent premature drying out. There will also be an additional amount of air entrainment. <b>Plastiment®-PR 200 M</b> should not be added to dry cement. Before pouring, suitability tests on the fresh concrete must be carried out.

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<b>Value Base</b>	All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.
<b>Local Restrictions</b>	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the product uses.
<b>Health and Safety Information</b>	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety related data.
<b>Legal Notes</b>	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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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.

All products are manufactured under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.



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