

# PRODUCT DATA SHEET

## Plastiment<sup>®</sup> TM 25

Water Reducing and Set Retarding Concrete Admixture

### PRODUCT DESCRIPTION

A concrete plasticizer specially designed for Roller Compacted Concrete (RCC) structures.

#### USES

For structural and mass concrete where long setting times and improved workability are required, such as projects with:

- Large pours, to prevent formation of cold joints in RCC dams etc.
- Long travel times from the concrete plant to the site
- Difficult placing conditions and details
- High ambient temperature

#### ADVANTAGES

##### WET RCC

- Initial setting is delayed allowing time for proper placement and compaction of a new layer on top of the retarded RCC without a cold joint.
- Decreasing the mortar volume of the bonding concrete.
- Extending the compaction time, as heavy transits can damage the newly hydrated RCC.
- Increasing the cement efficiency.
- Reducing the rate of initial heat generation.

##### Hardened RCC

- Higher mechanical strength in any weather condition.
- Diminished heat generation and the risk of cracking
- Increased density of the RCC

### TESTS

### APPROVAL / STANDARDS

Complies with ASTM C494 Type B&D

### PRODUCT DATA

#### FORM

#### COLOURS

Light Brown

	<p><b>PACKAGING</b></p> <p>1200 Kg standard IBC tank.</p>
<b>STORAGE</b>	<p><b>STORAGE CONDITIONS / SHELF-LIFE</b></p> <p>9 months from date of production if stored properly in original unopened, sealed and undamaged packaging in cool, shaded and dry conditions at temperatures between +5°C and +30°C. Protect from direct sunlight.</p>
<b>TECHNICAL DATA</b>	<p><b>DENSITY</b></p> <p>1.180 – 1.210 kg/l</p> <p><b>CHLORIDE CONTENT</b></p> <p>Nil.</p>

## System Information

<b>APPLICATION DETAILS</b>	<p><b>CONSUMPTION / DOSAGE</b></p> <p>0.5 – 4.0 ltr per 100 kg of cement (depending on cement type and brand) When overdosed, setting time is extended</p> <p><b>COMPATIBILITY</b></p> <p>Possible to combine with all Sikament, Sika Aer, Sika Pump, Sikacrete PP1, if added separately to the mix and not pre-mixed.</p> <p><b>CEMENT TYPE</b></p> <p>All Portland cement including sulfate resistant cement.</p> <p><b>DISPENSING</b></p> <p>Plastiment TM 25 is added to the gauging water, prior to its addition to the dry concrete mix, or added separately to wetted concrete mix; further mixing should take place for at least 1 minute per cubic meter.</p> <p><b>LIMITATIONS</b></p> <p>Conduct trial mixes to establish exact dosage rates. If assistance is required, please contact the Sika Technical Service Department. Use a proper dispensing machine Do not mix by hand.</p>
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## HEALTH AND SAFETY INFORMATION

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.

## 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 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. **Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.**

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