

# PRODUCT DATA SHEET

## Sika® Plastiment® R

### WATER-REDUCING AND SET-EXTENDING CONCRETE ADMIXTURE

#### DESCRIPTION

A liquid plasticizing admixture acts as a retarder on setting time for fresh concrete. A water reduction can be achieved without loss of workability even in hot climate.

#### USES

Sika® Plastiment® R is used where high quality concrete is required in difficult conditions, such as :

- Hot climate
  - Long hauls
  - Ready-mix concrete
- and wherever high quality dense concrete is required.

#### CHARACTERISTICS / ADVANTAGES

Sika® Plastiment® R provides the following properties:

- Increased setting times at elevated temperatures
- Allows easier compaction leading to denser concrete and superior finish
- Longlasting control of slump loss
- Improved workability without increased water content
- Reduced water without loss of workability
- Increased strengths
- Reduced shrinkage and creep
- Improved watertightness
- Chloride-free does not attack reinforcement

#### APPROVALS / CERTIFICATES

Complies with ASTM. C-494 type B & D.

#### PRODUCT INFORMATION

<b>Composition</b>	Special organic agents
<b>Packaging</b>	200L /Drum ; 1,000L /Tank
<b>Appearance / Colour</b>	Brown liquid
<b>Shelf life</b>	12 months from the date of production
<b>Storage conditions</b>	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +40 °C.
<b>Specific Gravity</b>	1.16 - 1.18 kg/L
<b>pH-Value</b>	4 - 6 (Approx.)

#### APPLICATION INFORMATION

## Recommended Dosage

Sika® Plastiment® R 200 - 500 CC per 100 kg of cement weight by weight of cement.

Dosage recommend in normal condition is 200 - 500 CC per 100 kg. of cement weight or add more to longer set of concrete in difficult condition. Actual dosage rate required is dependent on : effect sought; quality of cement and aggregates; W/C; Temperature. In many cases it is advisable to carry out trial mixes to establish the exact rate required.

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## Compatibility

Sika® Plastiment® R is compatible with all types of Portland cement including Sulphate Resistant Cement (SRC).

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## IMPORTANT CONSIDERATIONS

- Accidental overdosing of Sika® Plastiment® R causes an extension of initial setting time. If this happens, consult supplier as soon as possible.
- Concrete shall be designed in accordance with ACI Standard Recommended Practice for Selecting Proportions of concrete (ACI 211. 1-89). The water reducing/ set retarding admixture shall be Plastiment® R, as manufactured by Sika or proved equal and shall comply with BS 5075, Part 1 or ASTM C-494 type B & D. It shall be used in strict accordance with the manufacturer's recommendations

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) 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.

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