

## PRODUCT DATA SHEET

# Sika® Plastiment® R

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

#### DESCRIPTION

Sika® Plastiment® R is a liquid set-extending concrete admixture with particle separating effect. Substantial water reduction can be achieved without loss of workability.

#### USES

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

- Hot ambient climates
- Extended travelling time to placement location
- Ready-mix concrete
- Extended finishing time is required

#### CHARACTERISTICS / ADVANTAGES

- Increased setting times at elevated temperatures
- High slump retention
- Improved workability without increasing water content
- Increased strengths
- Reduced shrinkage and creep
- Improved surface finishing time

#### APPROVALS / CERTIFICATES

Complies with ASTM C-494 type B & D

#### PRODUCT INFORMATION

<b>Composition</b>	Special organic agents
<b>Packaging</b>	200 L /drum 1,000 L /tote
<b>Appearance / Colour</b>	Brown liquid
<b>Shelf life</b>	12 months from the date of production if stored properly in undamaged, original, sealed packaging.
<b>Storage conditions</b>	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +35 °C.
<b>Density</b>	1.16 - 1.18 kg/L
<b>pH-Value</b>	4.0 - 6.0 (Approx)

## APPLICATION INFORMATION

### Recommended Dosage

Sika® Plastiment® R is dosed at 200–500 cc per 100 kg of cement. Actual dosage rate required will depend on:

- Required effect (slump retention & setting time)
- Quality of cement and aggregates
- Water : Cement ratio
- Ambient and concrete temperatures

In all cases, it is advisable to carry out trial mixes to establish the required dosage.

For more specific requirements, please contact our Technical Service Department.

### Compatibility

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

## APPLICATION INSTRUCTIONS

### DISPENSING

Sika® Plastiment® R should be dispensed directly into the mixing water prior to the addition of other concrete components such as coarse aggregates, sand and cement.

Accurate dispensing equipment is readily available from Sika.

### IMPORTANT CONSIDERATIONS

- It is always advisable to carry out trial mixes to establish the exact dosage required.
- When accidental overdosing occurs, Plastiment® R should not entrain excessive air. Extended setting times may occur. If carefully protected from excessive drying during the setting time, final concrete properties should not be adversely affected.

### BASIS OF PRODUCT DATA

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.

### LOCAL RESTRICTIONS

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 application fields.

## 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 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.

#### Sika (Thailand) Limited

700/37 Moo 5 Amata City Chonburi  
Industrial Estate, T. Klong Tamhru  
A. Muang, Chonburi 20000, Thailand  
Tel : +66 3810 9500  
E-mail : sikathai@th.sika.com  
Website: tha.sika.com



#### Product Data Sheet

Sika® Plastiment® R  
January 2020, Version 01.02  
02130301100000105

SikaPlastimentR-en-TH-(01-2020)-1-2.pdf