

PRODUCT DATA SHEET

Sika® Plastiment® R

Water-Reducing and Retarding Concrete Admixture

DESCRIPTION

Sika® Plastiment® R is a liquid set-retarding concrete admixture with particle separating effect. Substantial water reduction can be achieved without loss of workability. Sika® Plastiment® R complies with ASTM C494 Type B & D.

USES

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

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

FEATURES

- 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
- Improved watertightness
- Chloride-free does not attack reinforcement.

PRODUCT INFORMATION

Composition	Special organic agents
Packaging	200 Lit PE Drum / 1000 Lit IBC Tank
Shelf life	12 months from the date of production
Storage conditions	Store properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +35 °C.
Appearance and colour	Brown liquid
Specific gravity	1.160 - 1.180 kg/l
pH-Value	4.0 - 6.0

APPLICATION INFORMATION

Recommended dosage

Dosage recommend in normal condition is 150–500 CC per 100 kg of cement weight. 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).

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.

LIMITATIONS

- 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.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

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.

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 exact product data and uses.

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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