

PRODUCT DATA SHEET

Sika® Plastocrete® R-6

WATER REDUCING AND SET RETARDING CONCRETE ADMIXTURE

DESCRIPTION

Sika® Plastocrete® R-6 is a set retarding concrete admixture with plasticising effect. Substantial water reduction can be achieved without loss of workability.

USES

Sika® Plastocrete® R-6 is used where high quality concrete is required in difficult conditions, such as:

- High temperatures
- Long distance between batching plant and site
- Ready-mix concrete
- Prestressed concrete

and whenever high quality dense concrete is required

CHARACTERISTICS / ADVANTAGES

- High slump retention
- Improved workability without increasing water content
- Increased strengths
- Reduced shrinkage and creep
- Improved surface finish

PRODUCT INFORMATION

Composition	Special organic agents
Packaging	<ul style="list-style-type: none"> ▪ 20 L pail ▪ 206 L drum ▪ 1 000 L tank
Appearance / Colour	Brown liquid
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 +5 °C and +35 °C. Protect from direct sunlight.

APPLICATION INFORMATION

Recommended Dosage	<p>Sika® Plastocrete® R-6 is normally dosed at 200–800 ml per 100 kg of cement. Actual dosage rate required will depend on:</p> <ul style="list-style-type: none"> ▪ Effect required (slump retention, strength, etc.) ▪ Quality of cement and aggregates ▪ Water-cement ratio ▪ Temperature <p>It is advisable to carry out trial mixes to establish the dosage required.</p>
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Compatibility

Sika® Plastocrete® R-6 is compatible with all types of Portland cement including Sulphate Resistant Cement (SRC), blends of ground granulated blast furnace slag (GGBS), and fly ash with OPC. For more specific requirements, please contact our Technical Service Department.

APPLICATION INSTRUCTIONS

DISPENSING

Sika® Plastocrete® R-6 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.

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 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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