

PRODUCT DATA SHEET

Plastocrete® RT-10

WATER REDUCING AND SET RETARDING

DESCRIPTION

A highly efficient and economical water-reducing and set-retarding concrete admixture with a wide dosage range. Complies with A.S.T.M. C 494-92 Type D

USES

Plastocrete® RT-10 is used as a water reducing-retarding admixtures in structural and mass concrete where a controlled extension of setting time and high quality structure is required, such as :

- Large volume pours
- Avoidance of cold joints
- Difficult placing conditions
- Long hauls
- Re-vibrated concrete

CHARACTERISTICS / ADVANTAGES

Plastocrete® RT-10 is a ready to use concrete admixture which provides the following properties :

- Controlled extension of setting times
- Improve workability of the fresh concrete
- Long lasting control of workability of concrete
- Reduce shrinkage and creep
- Chloride free – does not attack reinforcement

PRODUCT INFORMATION

Chemical base	A blend of special organic agents
Packaging	200 L drum Bulk delivery
Appearance / Colour	Liquid / Dark brown
Shelf life	12 months from date of production if stored properly in undamaged un-opened, original sealed packaging.
Storage conditions	Store in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost.
Density	1.14 ± 0.01 kg/L (at 20 °C)

TECHNICAL INFORMATION

Concreting Guidance	The standard rules of good concreting practice, concerning production and placing, are to be followed. Laboratory trials before concreting on site are strongly recommended when using a new mix design or producing new concrete components. Fresh concrete must be cured properly and as early as possible.
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APPLICATION INFORMATION

Recommended Dosage	0.2 % - 0.6 % by weight of cement. The retardation rate achieved is directly dependant on the dosage rate which in turn is influenced by quality of cement and aggregates, water-cement ratio and temperatures. It is advisable to carry out trial mixes to establish the exact dosage rate required.
Compatibility	Plastocrete® RT-10 is compatible with all types of Portland cement including SRC

APPLICATION INSTRUCTIONS

DISPENSING

Plastocrete® RT-10 should be dispensed directly into the mixing water prior to its addition to the aggregates.

When accidental overdosing occurs, Plastocrete® RT-10 does not entrain excessive amounts of air, however the set retarding effect increases. During this period the concrete must be kept moist in order to prevent premature drying out.

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

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please 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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