

PRODUCT DATA SHEET

Plastiment® R-20

SET RETARDING CONCRETE ADMIXTURE



DESCRIPTION

Plastiment® R-20 is a liquid plasticizer and water reducer for concrete, which also acts as a set retarder.

USES

Plastiment® R-20 is used in cases of:

- Concreting at high temperatures
- Long distance concrete transportations
- Applications with demand for prolonged workability
- Site batched and Ready Mix concrete

CHARACTERISTICS / ADVANTAGES

- Increased setting time in cases of hot weather
- Workability maintenance, even under high temperatures
- Higher final concrete strengths
- Reduced shrinkage
- Improved surface aspect
- Very economic
- Plastiment® R-20 does not contain chloride and is therefore suitable for reinforced and prestressed concrete

APPROVALS / CERTIFICATES

Set retarding / water reducing / plasticizing admixture (Table 10) according to EN 934.02:2009+A1:2012, Declaration of Performance 58475168, and provided with the CE-mark.

PRODUCT INFORMATION

Chemical base	Modified poly - saccharides
Packaging	IBC, 230 kg drums, 20 kg containers. Bulk supply on demand.
Appearance / Colour	Liquid, brown
Shelf life	12 months from date of production
Storage conditions	Store properly in undamaged, unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.
Density	~ 1.16 kg/l (at +20°C)
pH-Value	8.0 – 11.0 (at +20°C)
Total Chloride Ion Content	Free (EN 934.01)

TECHNICAL INFORMATION

APPLICATION INFORMATION

Recommended Dosage	0.1 – 0.3 % by weight of cement
Compatibility	Plastiment® R-20 can be combined with the following Sika products: - Sika® Plastiment® series - Sikament® series - Sika® ViscoCrete® series - Plastocrete® N/ Sika®-1+/ Sika® WT-200 P - Sika® Ferrogard®-901 S - Sika® Visco I-100 - Sikafume® HR-E / Sikacrete® AR - Sika-Aer® Fine Trials are recommended before combining products.
Dispensing	Plastiment® R-20 is added to the gauging water at the plant.
Restrictions	<ul style="list-style-type: none"> ▪ When using Plastiment® R-20 a suitable mix design has been taken into account and local material sources should be trialed. ▪ If frozen, Plastiment® R-20 may be used after thawing slowly at +30°C and intensive mixing. ▪ Plastiment® R-20 should not be added to dry cement. ▪ Plastiment® R-20 should be added with the mixing water. ▪ Before application, suitability tests must be performed.

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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