

PRODUCT DATA SHEET

Sika® Plastiment®-20 RCC

Water reducing and retarding admixture for RCC

DESCRIPTION

Plastiment® 20 RCC is a liquid additive used to plasticise and delay the setting time of RCC concrete, it can be used to reduce the water content of the concrete and has a wide dosage range allowing for optimum control of setting times.

USES

Plastiment® 20 RCC is recommended for RCC concrete that requires improved plasticity as well as a delayed setting time.

It is normally used in the following applications:

- Placing concrete in hot climates.
- Roller compacted concrete compaction aid.
- Controlled delay of setting times

PRODUCT INFORMATION

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| Packaging | 1000 Litre containers |
| Shelf Life | 12 months from date of production |
| Storage Conditions | Store in undamaged unopened, original sealed packaging, in dry conditions at temperatures between +5°C and +25°C. Protect from direct sunlight and frost. |
| Colour | Brown liquid |
| Density | 1,11 kg/litre |
| pH-Value | 6.0 +/- 1 |

CHARACTERISTICS / ADVANTAGES

Plastiment® 20 RCC provides the following benefits to RCC concrete:

- Improved plasticity or increased water reduction.
- Increased durability of concrete.
- Improves the final strength and uniformity of concrete.
- Does not contain chlorides.
- Controlled delay of setting times

APPROVALS / STANDARDS

ASTM C494 Type B (Retarding), EN 934-2 (Water reducing, Retarding)

TECHNICAL INFORMATION

Concreting Guidance

The standard rules of good concreting practice concerning production and placing are to be followed.
Fresh concrete must be cured properly and as early as possible.

APPLICATION INFORMATION

Recommended Dosage

Dosage rates will vary according to the materials used, ambient conditions and the requirements of a specific project. The optimum dosage should be determined by experimental trials with the materials to be used.

Dosage range:

- **0.2 – 1.5% by weight of cement binder**

Typical dosage range:

- **0.5 - 1.0 % by weight of cement binder**

Plastiment® 20 RCC will retard the set of concrete when used at high dosages

Dispensing

Plastiment® 20 RCC must be added along with the mixing water or after the homogenization of concrete materials with water. Plastiment® 20 RCC should never be added to or with the dry components of concrete (cement and aggregate).

Combinations with other admixtures

Plastiment® 20 RCC is highly effective as a single admixture or in combination with many admixtures in the Sika System. It is suggested that you contact the Technical Department when combining with other Sika products. Always conduct trials before combining products in specific mixes.

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.

ECOLOGY HEALTH AND SAFETY

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika South Africa (Pty) Ltd

9 Hocking Place,
Westmead, 3608
South Africa
Phone +27 31 792 6500
www.sika.co.za



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