

PRODUCT DATA SHEET

Sikament® RB 727

(formerly MasterRheobuild® 727)

A superplasticising admixture to produce rheoplastic concrete

DESCRIPTION

Sikament® RB 727 is a chloride free, ready-to-use, liquid admixture comprised of synthetic polymers specially designed to impart rheoplastic qualities to concrete.

A rheoplastic concrete is a fluid concrete with a slump of at least 200 mm, easily flowing but at the same time free from segregating, and having the same water/cement ratio as that of a no-slump concrete without additive.

USES

- Used with all cements and admixtures meeting international specifications
- Pumped concrete
- Readymixed concrete
- Hot weather concreting

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none">▪ 1000 L IBC tank▪ Bulk delivery
Shelf Life	12 months from date of production
Storage Conditions	Store at a temperature above 5 °C and in tightly sealed original containers. If found to be frozen, thaw it and reconstitute by stirring.

SYSTEM INFORMATION

Compatibility	Sikament® RB 727 is compatible with all cements meeting recognised international standards.
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CHARACTERISTICS / ADVANTAGES

- High workability for short placement time, as well as saves time and labour
- High water reduction to produce high impermeability and strength; improves durability
- Superior cohesion with no segregation even at high workability. Excellent concrete quality
- Low shrinkage and creep for better dimensional stability

APPROVALS / STANDARDS

Sikament® RB 727 is formulated to meet the requirements of ASTM C494 admixtures.

APPLICATION INFORMATION

Recommended Dosage	Dosage of Sikament® RB 727 depends upon the mix design, the ambient conditions and the degree of water reduction and workability required. Typical dosage used is 0.8–1.5 litres per 100 kg of cementitious materials. Other dosages may also be used depending on the mix design and ambient conditions.
Dispensing	The addition of Sikament® RB 727 into a dry mix is not recommended. Sikament® RB 727 can be dosed either at the batching plant or at the placing site. At the batching plant, introduce Sikament® RB 727 at the specified dosage directly into the mixer through a dispenser along with mixing water, when the concrete is thoroughly wetted (i.e. after adding at least 75 % of the mixing water) and mix for at least 2 minutes. If added at the placing site, mix for at least 2 minutes after the addition.

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

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.

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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