

## PRODUCT DATA SHEET

# Sikament® RB 1100 RM

(formerly MasterRheobuild® 1100 (RM))

Superplasticising admixture for producing rheoplastic concrete

### DESCRIPTION

Sikament® RB 1100 RM is a chloride free, superplasticising admixture containing a synthetic polymer, and is specially formulated to impart rheoplastic qualities to concrete.

Rheoplastic concrete is a fluid concrete with a slump value of at least 200 mm or higher that flows easily but at the same time is free from segregation and has the same water/cement ratio as that of a no-slump concrete without additive.

Sikament® RB 1100 RM has been formulated to meet the requirements of ASTM C494 for Type A & F and UNI 8145.

### USES

Sikament® RB 1100 RM is recommended for:

- all types of concrete mixes in which high strength and very high flowability are essential.
- precast concrete.
- cold weather concreting.

### PRODUCT INFORMATION

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

### CHARACTERISTICS / ADVANTAGES

- Very high workability - Short placement time. Saves time and labour
- High water reduction - High impermeability and strength. Improved durability
- Superior cohesion - No segregation even at high workability. Excellent concrete quality
- High early strength - Early demoulding. Shorter steam curing cycles
- Low shrinkage and creep - Better dimensional stability

# APPLICATION INFORMATION

<b>Recommended Dosage</b>	Dosage depends upon the mix design, the ambient conditions and the degree of water reduction and workability required. Typical dosage used is 0.7–1.2 L per 100 kg of cementitious materials. Site trials are recommended to determine the actual dosage required.
<b>Dispensing</b>	Use Sikament® RB 1100 RM as supplied after thorough stirring, without any dilution. The addition of Sikament® RB 1100 RM to a dry mix is not recommended. Sikament® RB 1100 RM provides optimal benefits when all materials have been batched and mixed.
<b>Compatibility</b>	Sikament® RB 1100 RM is compatible with all cements and admixtures meeting ASTM & UNI standards.

## 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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