

## PRODUCT DATA SHEET

# Sikament® RB 1100 HG

(formerly MasterRheobuild® 1100HG)

Superplasticising admixture to produce rheoplastic concrete

### DESCRIPTION

Sikament® RB 1100 HG is a ready to use, liquid admixture designed to produce high slump concrete. It contains no chloride and is compliant with the requirements of ASTM C494 Type A and F admixtures.

### USES

- Use with all cements and admixtures meeting ASTM, AASHTO, UNI and BSI specifications.
- Precast and ready-mixed concrete
- Pumped concrete

### 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
- High early strength for early demoulding
- Low shrinkage and creep for better dimensional stability

### 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> | Store at temperatures above 5 °C, in tightly sealed original drums. If found to be frozen, thaw it and reconstitute by stirring. |

### APPLICATION INFORMATION

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|---------------------------|--|
| <b>Recommended Dosage</b> | Dosage of Sikament® RB 1100 HG 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 litres per 100 kg of cementitious materials. Other dosages may also be used depending on the mix design and ambient conditions.  |
| <b>Dispensing</b>         | <p>The addition of Sikament® RB 1100 HG into a dry mix is not recommended. Sikament® RB 1100 HG can be dosed either at the batching plant or at the placing site.</p> <p>At the batching plant, introduce Sikament® RB 1100 HG 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.</p> <p>If added at the placing site, mix for at least 2 minutes after the addition.</p> |

## 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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