

## PRODUCT DATA SHEET

## Sikament® RB 3375

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High range, water-reducing superplasticiser for rheoplastic concrete

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**DESCRIPTION**

Sikament® RB 3375 is formulated from synthetic polymers specially designed to impart rheoplastic qualities to concrete.

A rheoplastic concrete is a fluid concrete, easily flowing, but at the same time free from segregation and bleeding having the same w/c ratio as that of a low slump concrete without admixture with a slight set retarding effect. Also, it provides a substantial water reduction effect for promoting high, early and ultimate strengths.

Sikament® RB 3375 is chloride-free.

**USES****PRIMARY USES**

- Microsilica concrete
- Mass concrete pours
- Ready-mixed concrete
- Long distance transport
- Pumped concrete
- Casting in hot climates

**TO OBTAIN:**

- Reduced thermal peaks
- High workability for longer periods
- Lower pumping pressure
- Delayed setting with longer workability
- Higher ultimate strengths
- Reduced permeability
- Improved durability

**FEATURES**

Sikament® RB 3375 considerably improves the properties of fresh and hardened concrete.

**CERTIFICATES AND TEST REPORTS**

ASTM C-494: Types D and G

BS 5075: Part 3

All products are manufactured to procedures certified to conform to the quality, environment, health & safety management systems described in the ISO 9001:2015, ISO 14001:2015 & OHSAS 18001:2007 standards.

**PRODUCT INFORMATION**

<b>Packaging</b>	Available in 1000ltr bulk
<b>Appearance and colour</b>	Dark brown liquid
<b>Shelf life</b>	Up to 12 months if stored according to manufacturer's instructions in unopened containers.
<b>Storage conditions</b>	<p>Sikament® RB 3375 must be stored where temperatures do not drop below +5 oC. If product has frozen, thaw and agitate until completely reconstituted. Store under cover, out of direct sunlight and protect from extremes of temperature.</p> <p>Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice, consult Sika's Technical Services Department.</p>
<b>Density</b>	1.140 - 1.170

Flash point	N/A
pH-Value	5-7
Total chloride ion content	Nil to BS 5075
Freezing point	0°C
Specific gravity	1.10 - 1.160
Recommended dosage	Optimum dosage of Sikament® RB 3375 should be determined in trial mixes. As a guide, the following dosages are recommended as a starting point for any trial: in normal concrete, a dosage of between 0.6 - 2.5 ltr/100kg of cement. Please consult Sika's Technical Services Department for further information.
Compatibility	Sikament® RB 3375 is compatible with all cements and most air-entraining agents meeting ASTM standards. The addition of Sikament® RB 3375 and SikaControl®-111 AER (air-entraining agent) to concrete is recommended where it is required to withstand freezing and thawing cycles.
Dispensing	Sikament® RB 3375 is a ready-to-use liquid, which is dispensed into the concrete together with the mixing water. The plasticising effect and water reduction are higher if the admixture is added to the concrete after 50 to 70% of the mixing water has been added. The addition of Sikament® RB 865 to dry aggregate or cement is not recommended. Automatic dispensers are available.

## 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.

## LIMITATIONS OF USE

Sikament® RB 3375 ensures that rheoplastic concrete remains workable in excess of 2 hours at +20oC. Workability loss is dependent on temperature, the type of cement, nature of aggregates, method of transport and initial workability. It is strongly recommended that concrete should be properly cured, particularly in hot and dry climates.

## 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.

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### Product Data Sheet

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