

# PRODUCT DATA SHEET

## Sikament<sup>®</sup>-168 EX

MID-RANGE WATER-REDUCER FOR IMPROVING WORKABILITY, COHESIVENESS AND PUMPABILITY

### DESCRIPTION

Sikament<sup>®</sup>-168 EX is a polymer-based admixture for improving the workability, cohesiveness and pumpability of concrete mixes in tropical climates. It works well with a wide range of blended cements and OPC and is especially recommended where poor aggregates are used or as a corrective for inadequate fines.

### USES

- To achieve higher strengths through water reduction while retaining workability
- To improve workability for a fixed water-binder ratio
- For transported concrete
- For hot weather concreting
- As a corrective for inadequate fines in the mix e.g. where quarry dust is used
- As a corrective for poor quality aggregates
- To improve pumpability
- To improve concrete finishes

### CHARACTERISTICS / ADVANTAGES

- High water-reduction
- Excellent for slumps in the 100–200 mm range
- Slump-retention properties
- Controls bleeding
- Improves concrete cohesiveness
- Reduces pump pressures and minimises clogging
- Suitable for all concrete applications

### PRODUCT INFORMATION

<b>Packaging</b>	<ul style="list-style-type: none"> <li>▪ 200 L drum</li> <li>▪ 1 000 L tank (returnable)</li> </ul>
<b>Appearance / Colour</b>	Brown liquid
<b>Shelf Life</b>	12 months from the date of production
<b>Storage Conditions</b>	Store in undamaged and unopened, original sealed containers, at temperatures between +5 °C and +30 °C. Keep away from direct sunlight.

### APPLICATION INFORMATION

<b>Recommended Dosage</b>	Sikament <sup>®</sup> -168 EX is dosed at the recommended rate of 200–1 200 ml per 100 kg cement for most applications in tropical weather conditions. It is advisable to carry out trial mixes to establish the required dosage.
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## Compatibility

Sikament®-168 EX is compatible with all types of Portland cement including Sulphate Resistant Cement (SRC) and blends of ground granulated blast-furnace slag (GGBS) or fly ash with OPC. For more specific requirements, advice is available from our Technical Department.

## APPLICATION INSTRUCTIONS

### DISPENSING

After 50–70 % of the mixing water has been added, dispense Sikament®-168 EX through the dispenser system at the required dosage together with the mixing water. Mix the concrete for at least 3 minutes. When used in conjunction with other Sika® admixtures, each admixture must be dosed separately into the mix.

### 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.

### 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.

### ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing 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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