

## PRODUCT DATA SHEET

# Sika® Plastiment® R 218

(formerly MasterPozzolith® R 218)

Water-reducing concrete admixture

### DESCRIPTION

Sika® Plastiment® R 218 ready-to-use, liquid admixture is used for making more consistent and predictable quality concrete. It conforms to ASTM C494/C 494M – 08a Type A (water-reducing), Type B (retarding), and Type D (water-reducing and retarding admixture). It reduces the quantity of mixing water required to produce concrete of a given strength and consistency with greater economy. Sika® Plastiment® R 218 admixture will not initiate or promote corrosion of reinforcing steel in concrete. It does not contain chloride-based ingredients.

### USES

Recommended for use in all types of concrete where moderate to extended retardation of set and improved performance are desired.

Sika® Plastiment® R 218 is suitable for improving plain, reinforced, prestressed, light weight and standard weight concrete.

### CHARACTERISTICS / ADVANTAGES

- Reduced water content required for a given workability
- Controlled setting characteristics
- Improved workability
- Reduced segregation
- Improved finishing characteristics for flatwork and cast surfaces
- Increased compressive and flexural strength

### 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 Sika® Plastiment® R 218 admixture freezes, thaw at 2 °C or above and completely reconstitute by mild mechanical agitation. Do not use pressurized air for agitation.

### APPLICATION INFORMATION

<b>Recommended Dosage</b>	Sika® Plastiment® R 218 admixture is recommended for use at a dosage 200–400 mL / 100 kg of cementitious materials. Because of variations in job conditions and concrete materials, dosages other than the recommen-
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ded amounts may be required. In such cases, contact your local Sika representative.

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## SYSTEM INFORMATION

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**Compatibility** Sika® Plastiment® R 218 admixture may be used in combination with any Sika Solutions. When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.

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## 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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