

PRODUCT DATA SHEET

SikaPlast® R 8309

(formerly MasterPolyheed® R 8309)

Retarding type concrete improving admixture

DESCRIPTION

SikaPlast R 8309 is a ready-to-use liquid admixture for making better, more uniform and more predictable high quality concrete. It retards the setting time to facilitate placing and finishing.

SikaPlast R 8309 is compatible with all cements meeting recognised international standards.

USES

- All types of concrete where retardation of set and improved performance are required.
- Improving pumped concrete and conventionally placed concrete.
- Improving plain, reinforced, precast, prestressed, light weight or standard weight concrete.

PRODUCT INFORMATION

Packaging	1,000 L / IBC
Shelf life	12 months from the date of production if stored properly in undamaged, original, sealed packaging
Storage conditions	Store at temperatures between +5°C and +40°C. Protect from direct sunlight and frost.
Appearance and colour	Brown Liquid
Density	1.165-1.205 kg/L @ 25°C
pH-Value	5.0 - 8.0

APPLICATION INFORMATION

Recommended dosage

SikaPlast R 8309 is recommended for use at a dosage rate of 250-450ml per 100 kg of cementitious materials. Variations in the job conditions and concrete making materials employed may require dosage rates outside the recommended range.

FEATURES

- Good water reduction - Improves watertight-ness. Greater durability. Increases compressive, flexural and bond strengths.
- Good workability - Easier placement.
- Good cohesion - Reduces segregation.
- In comparison to plain concrete, a mix containing SikaPlast R 8309 develops higher early and ultimate strengths while having retarded setting characteristics.

CERTIFICATES AND TEST REPORTS

Complies with ASTM C 494 Type B and D

Consult Sika representative for assistance in determining the rate dosage.

Dispensing

SikaPlast R 8309 can be added into the mixing water or can be added to the wet concrete after the mixing water has been added. The addition of SikaPlast R 8309 to a dry concrete mix is not recommended. A separate dispenser and feed line must be used.

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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.

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.

Sika (Thailand) Limited

700/37 Moo 5 Amata City Chonburi
Industrial Estate, T. Klong Tamhru
A. Muang, Chonburi 20000, Thailand
Tel : +66 3810 9500
E-mail : sikathai@th.sika.com
Website: tha.sika.com



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