

PRODUCT DATA SHEET

SikaPlast® PH 8109 ACE

(formerly MasterGlenium® ACE 8109)

Modified polycarboxylate ether superplasticising admixture

DESCRIPTION

SikaPlast® PH 8109 ACE is a new generation superplasticiser for concrete containing polycarboxylate ether polymers, designed for optimal use in regular grades of concrete in precast concrete industry. The ability to work with low water cement ratio and allows for the manufacture of high quality concrete.

USES

SikaPlast® PH 8109 ACE is suitable to work with normal to low water/cement ratios. The high water reduction and non-retardation make SikaPlast® PH 8109 ACE the ideal admixture for normal grade of concrete in ready-mix application.

CHARACTERISTICS / ADVANTAGES

SikaPlast® PH 8109 ACE offers the following benefits for the precast concrete industry:

- Produce Rheoplastic Concrete with a low w/c ratio
- Optimize curing cycle by shortening curing time or decreasing curing temperature
- Eliminate heat curing
- Eliminate energy required for placing, consolidation and curing
- Increase productivity
- Improve surface appearance
- Produce durable precast concrete elements
- As compared to the traditional superplasticisers, improve engineering properties such as early and ultimate compressive and flexural strengths.

PRODUCT INFORMATION

Packaging	<ul style="list-style-type: none"> ▪ 1000 L IBC ▪ Bulk delivery
Shelf Life	12 months from date of production
Storage Conditions	Store in a place where the temperature is not below 0 °C. In case the product freezes, increase the temperature of the product to 30 °C and re-mix.

APPLICATION INFORMATION

Recommended Dosage	0.8–1.8 litres per 100 kg of binder Other dosages may be used in special cases according to specific job site conditions. In this case, please consult our sales representative.
Dispensing	SikaPlast® PH 8109 ACE is a liquid admixture to be added to the concrete during the mixing process. The best results are obtained when the admixture is added after all the other components are already in the mixer and after the addition of at least 50–70 % of the total water.

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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