

PRODUCT DATA SHEET

Sika® Plastiment® PH 8229

Water reducing & set retarding admixture

DESCRIPTION

Sika Plastiment PH 8229 is ready to use, liquid admixture for producing uniform and predictable quality concrete. It reduces the quantity of mixing water required to produce concrete of a given consistency resulting in greater economy for a given strength. Placing and finishing characteristics are improved as this admixture retards setting time.

Sika Plastiment PH 8229 admixture will not initiate or promote corrosion of reinforcing steel in concrete. The admixture does not contain added calcium chloride or chloride-based ingredients.

USES

Recommended for use in all types of concrete where

- retardation of set,
- improved strength performance,
- reduced segregation, bleeding and permeability are desired.
- placing by pump
- enhanced finishing is desired.

When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.

FEATURES

Sika Plastiment PH 8229 used at optimum dose rate modifies the performance of concrete to provide the following:

In plastic concrete

Reduced concrete mixing water – Higher ultimate strength and better durability.

Superior slump retention – Improves working time for placing concrete.

Controlled retardation – Depending on the dose rate.

Improved cohesiveness – Reduces segregation and bleeding. Better pumpability.

Improved workability – Superior finishing characteristics for slabs

In hardened concrete

Superior finishing – Better finished appearance for slab and off form precast surface.

Increased strength – Compressive, flexural and bond of concrete to steel.

High water reduction – Higher durability.

Concrete produced with Sika Plastiment PH 8229 admixture will have normal strength development after initial set occurs. If retardation is within the normal ASTM C494 type A and D specifications, Sika Plastiment PH 8229 admixture will develop higher early (24 hours) and higher ultimate strength than plain concrete when used within the recommended dosage range.

CERTIFICATES AND TEST REPORTS

Complies with ASTM C494 Type A and D

PRODUCT INFORMATION

Packaging	1,000 L / IBC
Appearance and colour	Brown liquid
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging
Storage conditions	Store in dry conditions, protected from direct sunlight at temperature between 5°C and 40°C
Density	1.100-1.130 kg/L @ 25°C
pH-Value	5.0 - 8.0

APPLICATION INFORMATION

Recommended dosage	Sika Plastiment PH 8229 is used at the rate of range from 300 – 600ml per 100kg cementitious. Conduct site trial mix to determine the right dosage for the target setting time.
Dispensing	<p>Sika Plastiment PH 8229 an added to the concrete with mixing water. When used in conjunction with other admixtures, each admixture must be dispensed separately into the mix.</p> <p>The addition of Sika Plastiment PH 8229 to a dry mix is not recommended.</p> <p>Introduce Sika Plastiment PH 8229 at the specific dosage directly into mixer through a dispenser along with the mixing water, when the concrete is damp (i.e. 50%-70% of the mixing water has been added). Mix the concrete for at least 3 minutes.</p>

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.

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