

PRODUCT DATA SHEET

Plastiretard

Set-retarding admixture for concrete

DESCRIPTION

Plastiretard is a set-retarding admixture that can be used with any concretes, screed and mortars.

USES

Setting time action:

Through its set-retarding effect, Plastiretard can be used to delay setting time of concrete.

It is particularly suitable:

- Concreting with high temperature
- Long-duration concrete use
- Long-duration concrete transport

Improvement of the workability:

Through its plasticiser effect, Plastiretard also allows a greater workability and easy implementation of the concrete.

Improvement of mechanical strengths:

Through its set-retarding effect, Plastiretard increases the long-term mechanical strengths of concrete.

FEATURES

Through its physico-chemical action, Plastiretard has the following advantages:

- It slows the start of setting and preserves the fluidity during the period of time required for placing concrete
- It improves the workability even though the quantity of mixing water is reduced
- It improves the mechanical strengths

CERTIFICATES AND TEST REPORTS

CE and NF label according to NF EN 934.2 tab. 8

PRODUCT INFORMATION

Packaging	1000 Litres IBC
Appearance and colour	light yellow
Shelf life	12month from the date of production, stored in an unopened packaging
Storage conditions	Protect from direct sunlight and frost. In case of accidental frost, the product regains its original qualities once slowly thawed and re-homogenized.
Density	1.09 ± 0.01
pH-Value	7.0 ± 2
Total chloride ion content	≤ 0,1 %
Equivalent sodium oxide	≤ 6,0 %

APPLICATION INFORMATION

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Recommended dosage

From 0,05 to 2,0 % of binder or cement by weight depending on the effect required.

- Current dosage: from 0,1 to 0,5 %
- A 0,5 % content may be exceeded when setting has to be slowed for a long time. In such

Setting time measured on concrete is not directly proportional at the dosage of Plastiretard, the delay effect is rather exponential depending on the dosage.

Tests must be made with various contents under site conditions (especially the temperature) to determine the content needed to obtain the required result.

Dispensing

Plastiretard is placed in the mixer either after it has been mixed with water or simultaneously with it.

BASIS OF PRODUCT DATA

All technical data stated in this 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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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