

PRODUCT DATA SHEET

SikaTard®-900 P

Retarder for cementitious binder systems

DESCRIPTION

SikaTard®-900 P is a high-performance set retarder in powder form for cement and cement-gypsum based binder systems.

USES

SikaTard®-900 P provides excellent performance in the adjustment of setting time and workability cement-gypsum based dry mortars.

The product is especially suitable for the following applications:

- In cementitious self-levelling screeds
- In ternary, OPC-rich self-levelling underlayments
- In with cement stimulated anhydrite flow screeds
- As additional retarder component to adjust application time in gypsum plaster and lime-gypsum-plaster

FEATURES

SikaTard®-900 P offers the following advantages:

- Very effective on CEM I-cements with high sulphate resistance (HS)
- Very effective on slag cements (CEM III)
- Influence on the formation of ettringite in fresh mortar
- Very efficient retardation at low dosage
- High robustness in a wide dosage range
- Extension of processing time up to several hours, depending on dosage
- Compatible with other additives, such as Sika® ViscoCrete® superplasticizers
- No reduction in the final strength (unlike with several fruit acid based retarders)

CERTIFICATES AND TEST REPORTS

Meets the requirements of the German ZTV-Ing.

PRODUCT INFORMATION

Composition	Phosphonate mix
Packaging	25 kg bag / 900 kg per pallet
Appearance and colour	White granules
Shelf life	36 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage conditions	Dry storage and protected from direct sunlight.
Bulk density	approx. 900 kg/m ³
pH-Value	approx. 11 at +23 °C (50 % solution)
Total chloride ion content	≤ 22 %

APPLICATION INFORMATION

Recommended dosage	Typical dosage range: 0.05 - 0.5 % of cement weight. Differences in cement type, cement age and storage conditions of the binder and other conditions and factors at the plant and/or on-site can also influence the setting time and therefore the dosage requirements. Note: Preliminary testing is required to determine the exact dosage for specific applications and conditions. Please contact our Technical Services Department for any additional information and assistance
Compatibility	SikaTard®-900 P may be combined with many other Sika products and most usual additives including superplasticizers, foaming agents / de-foamers and stabilizers. In these combinations i.e. with Sika® ViscoCrete® superplasticizers, additional improvements in flow and setting-time adjustment can also be achieved. Note: Always conduct trials before combining products in specific mixes and contact our Technical Services Department for additional information about specific combinations with other products.
Dispensing	The product is added to the dry-mix.

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

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.

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 the 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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