BUILDING TRUST

PRODUCT DATA SHEET

SikaTard®-810 P

Retarder for cementitious and ternary systems in powder form

DESCRIPTION

SikaTard®-810 P is an economical set retarder in powder form for cementitious and CAC-based ternary dry mortar systems.

USES

SikaTard®-810 P delivers exceptional results when adjusting the setting and processing time of accelerated and unaccelerated dry mortars and concrete. In some mortar systems, the consistency is improved and the flow behavior is supported.
The product is especially suitable for the following applications:
- Dry concrete with long open times
- Non-shrink grouts
- Self-levelling underlayments (SLU) CAC-based
- Repair mortars
- Flowable cementitious screeds
- Masonry mortar

FEATURES

SikaTard®-810 P retards the cement reaction with water.
The benefits of SikaTard®-810 P include, but are not limited to the following:
- Good retarding effect depending on dosage
- Relatively low effect on strength development
- Slightly positive influence on consistency
- Combinations with other retarders possible e.g. tartaric acid
- Easy to dose with automatic dosage equipment
- Excellent stability in dry mortar formulations

CERTIFICATES AND TEST REPORTS

Confirms to the requirements of EN 934–2, Table 8 (retarder)

PRODUCT INFORMATION

Composition	Mix of organic and inorganic components
Packaging	25 kg bag, 1050 kg per pallet; bigbag on demand
Appearance and colour	light gray powder
Shelf life	24 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage conditions	Dry storage at temperatures up to 40 °C. Protect from direct sunlight.
Bulk density	Approx. 1.28 g/cm³
pH-Value	Approx. 11.5 (40 % solution)
Total chloride ion content	≤ 0.1%
Equivalent sodium oxide	< 3.5 %

APPLICATION INFORMATION

Recommended dosage	Typical dosage rage: 0.2 - 0.9 % of binder 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®-810 P may be combined with most existing redispersible powders, accelerators, retarders and other additives used in dry-mix applications. Important: Always conduct trials before combining products in specific mix designs and contact our Technical Service Department for any additional information and advice concerning specific combinations with other products.
Dispensing	SikaTard®-810 P 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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