

PRODUCT DATA SHEET

Sika® Beschleuniger BE 2

Powdered, alkaline setting accelerator for shotcrete



DESCRIPTION

Sika® Beschleuniger BE 2 is an alkaline setting accelerator used for sprayed concrete in dry spraying method.

USES

Sika® Beschleuniger BE 2 is particularly suitable for the use in dry mortar plants. Especially if spray concrete is placed over head or thick layers are installed in one application. Also the sprayed concrete is supposed to act as a support in the early phase. This is especially true for objects in

- tunneling and galleries
- mining and shafts
- building pit and slope supports

FEATURES

The benefit of Sika® Beschleuniger BE 2 include

- activation of cement hydration
- accelerated formation of strength-increasing hydration products which gives
- quick setting of sprayed concrete
- quick and regular early strength development

CERTIFICATES AND TEST REPORTS

Confirms to EN 934-5 (Setting accelerator)
Mining hygiene test and assessment by the Hygiene Institute of the Ruhr area from February 2012.

PRODUCT INFORMATION

Composition	sodium aluminate
Packaging	25 kg bag, 1000 kg on euro pallet
Shelf life	At least 24 months shelf life from date of production.
Storage conditions	Stored dry and properly in undamaged, unopened, original sealed packaging.
Appearance and colour	grey powder
Bulk density	Approx. 0.90 g/cm ³
Total chloride ion content	≤ 0.10 %

APPLICATION INFORMATION

Recommended dosage	Typical dosage in the range of 2 to 5 % of the cement weight. The maximum dosage should not exceed 5 % of the binder weight.
Dispensing	Sika Beschleuniger BE 2 is added to the dry mix in the drymix mortar plant. Alternatively, it can be added to the dry mortar/concrete premix at the construction site prior to feeding the spray equipment (rotor machine). The accelerating performance depends on the cement, the water-cement-ratio of the sprayed concrete and the ambient temperature. Important: Always conduct trials before combining products in specific mix designs and contact our Technical Services Department for any additional information and advice concerning specific combinations with other products.

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 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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