

PRODUCT DATA SHEET

Sika® Quellmittel 1

For the production of expanding mortar and expanding concrete

DESCRIPTION

Sika® Quellmittel 1 is used for the production of dry mortar, mortar and concrete with targeted volume expansion.

USES

- Filling in cavities in concrete, masonry or rock
- Closing joints between concrete parts
- Closing pipe feed-throughs, foundation underpinning
- for cementitious dry mortar

CHARACTERISTICS / ADVANTAGES

- Targeted volume expansion (swelling)
- Rich adaptation to surrounding surfaces via expansion pressure
- Compensation of shrinkage
- Introduction of finest pores
- Plasticising

APPROVALS / CERTIFICATES

Sika® Quellmittel 1 is not approved for producing grout for prestressing tendons as well as for concrete according to DIN EN 206-1/DIN 1045-2

PRODUCT INFORMATION

Packaging	Box: 40 bags à 0.5 kg Bag with 15 kg, 600 kg on pallet
Appearance / Colour	Powder / Grey
Shelf life	Minimum 18 month shelf life in sealed packaging/container.
Storage conditions	Store as dry and air sealed.
Bulk density	Approx. 0.80 g/cm ³

APPLICATION INFORMATION

Recommended dosage	0.2 - 1.0 % of the cement weight for dry mixes 1 - 2 kg/m ³ in ready-mix application A suitability test is required before utilisation.
Consumption	Sika® Quellmittel 1 is either mixed in with the cement or dry mortar or finally in the finished mixture. Add only on the construction site in case of ready-mixed concrete. The required mixing time after the addition is depending on the mixer and must be sufficiently dimensioned. Rapid installation should be executed because the expansion effect starts immediately with wet mixing and decreases with increasing time.

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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Sika® Quellmittel 1
June 2021, Version 03.02
020301010020000008

SikaQuellmittel1-en-DE-(06-2021)-3-2.pdf