BUILDING TRUST

PRODUCT DATA SHEET

Sika®-1

WATERPROOFING ADMIXTURE

DESCRIPTION

Sika®-1 is a normal setting liquid waterproofing admixture for mortar and concrete.

USES

Sika®-1 is used for waterproofing of mortars and concrete, in particular for:
- Renders, masonry mortars and screeds
- Reinforced and unreinforced concrete
- Brick, concrete and stone substrates
- Indoor and outdoor applications, such as basements, swimming pools, tunnels, water tanks, manholes, culverts
- Usage in tropical and hot climate conditions

CHARACTERISTICS / ADVANTAGES

Sika®-1 blocks the capillaries and pores in the applied cementitious system to provide an effective water barrier against the transmission of liquid water.
The benefits of Sika®-1 include, but are not limited to the following:
- Increased impermeability of mortar/concrete
- Ready to use
- Easily dispersed
- Chloride-free

PRODUCT INFORMATION

Packaging	20 kg/ltr
Appearance / Colour	Yellow liquid
Shelf Life	12 months shelf life from date of production if stored properly in undamaged, unopened, original sealed packaging.
Storage Conditions	Storage at temperatures between 5 °C and 30 °C. Protect from direct sunlight, frost and contamination.
Density	~1.05 ± 0.05 g/cm³
Total Chloride Ion Content	≤ 0.1 %

APPLICATION INFORMATION

Recommended Dosage	Add one part of Sika®-1 to 10 parts of water, which is equivalent to approximately 3 % of cement content. When using very wet sand, the ratio must be increased to 1:8 or in extreme cases 1:6. Note: Trial mixes should always be conducted to establish the exact dosage rates and water requirements per mix.

BASIS OF PRODUCT DATA

All technical data stated in this Product 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.

APPLICATION INSTRUCTIONS

MIXING

Sika®-1 must be stirred slowly before use to ensure a homogeneous, lump free consistency.
Sika®-1 shall be diluted in the gauging water. The dilution must be stirred slowly (to ensure a homogeneous, lump free consistency) prior addition into the mortar/concrete mixer. Sika®-1 can also be added neat to the mortar/concrete mix provided that the mixture is properly mixed to achieve a homogeneous consistency.

APPLICATION METHOD / TOOLS

The standard rules of good concreting practice (concerning production, placing and curing) are to be followed. Refer to relevant standards.
Sika®-1 may be combined with many other Sika® products.
Note: Preliminary testing is required to prove the compatibility. Please contact Sika technical service for more information and advice.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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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