

PRODUCT DATA SHEET

Sika® Masonry AU 1

Water Repelling and Efflorescence Reducing Admixture

DESCRIPTION

Sika® Masonry AU 1 is a High Performance water repelling and efflorescence reducing admixture for various masonry / concrete applications.

USES

Sika® Masonry AU 1 is a High Efficiency Masonry / Concrete admixture that can be used for efflorescence reduction, absorption control and water repellency.

Typical applications are:

- Dry and Semi-dry cast applications:
- Concrete masonry units
- Pavers

Wet cast applications:

- Stone veneer
- Architectural precast

Aesthetics:

- Use of Sika® Masonry AU 1 may improve colour brightness

CHARACTERISTICS / ADVANTAGES

Sika® Masonry AU 1 is suitable for the production of dry or wet cast Masonry / Concrete. Use of Sika® Masonry AU-1 results in:

- Improved water repellency
- Reduced efflorescence
- Increased durability
- Improved aesthetics (brighter colours)
- Improved / Reduced production rates / Cycle times

PRODUCT INFORMATION

Packaging	1000 litre IBC 205 litre drum 10 litre container
Shelf life	Shelf life, when stored in dry warehouse conditions between 5°C and 35°C, is six (6) months.
Storage conditions	Sika® Masonry AU 1 should be stored at temperature above 5°C and regularly recirculated, twice a day or as per our Technical Service instructions. If frozen, admixture cannot be re-constituted and must be discarded according to local laws.
Appearance and colour	White liquid
Specific gravity	0.97 g/cm ³ approximately
Recommended dosage	Dosage rate will vary according to targeted application. Normally a dosage range of 200 - 500 ml / 100 kg of cementitious material should be sufficient for efflorescence and absorption control. If water repellency is re-

quired dosage may be increased to 750 ml - 2000 ml /100 kg of cementitious material . Actual dosage rate will vary based upon mix design. Proper dosage should always be verified by trial batch to ensure desired performance is achieved.

Dosages outside the recommended range may be used for special requirements and applications.

Dispensing

Sika® Masonry AU 1 should be added with the batching water or introduced at the end of the mixing process.

For concrete containing a low water content and applications that have a very low water cement ratio, it is necessary to provide sufficient mixing time to allow the admixture to be distributed throughout the entire batch and provide uniform performance.

In general, a total mixing time of at least 90 seconds is essential. Mixing time after adding the admixture depends on the individual circumstances and should be determined by trials.

Do not introduce Sika® Masonry AU 1 up front, or directly onto dry cementitious materials, as this may reduce admixture performance.

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.

LOCAL RESTRICTIONS

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

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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