

PRODUCT DATA SHEET

SikaMix® Integral Waterproofer

Plasticiser and air entraining agent for mortars, screeds, external renders, roof areas and tank linings.

PRODUCT DESCRIPTION

SikaMix® Integral Waterproofer is a liquid/gel additive that provides long term protection from water damage to mortar, renders and screeds by dramatically reducing water permeability. This product is suitable for all applications where resistance to water damage is necessary, such as pool and tank linings, roof areas, external rendering/pointing and structures below ground level. SikaMix® Integral Waterproofer also contains an air entraining agent, hence it will not “deaden” the mix and there is no need to add a separate admix.

USES

- Pool and tank linings.
- Roof areas.
- Mortars and screeds.
- External renders and pointing.
- As part of waterproofing below ground level (basements etc.).

CHARACTERISTICS / ADVANTAGES

- Reduces surface absorption.
- Reduces permeability of concrete and mortar mixes.
- Air entraining - will not “flatten” the mix.
- Will not corrode steel reinforcement (Brick ties etc.).
- Improves workability.
- Easier application in render mixes.
- Low toxicity.
- Chloride <0.01%

APPROVALS / STANDARDS

Tested to BS EN 934 Part 3.

PRODUCT INFORMATION

Packaging	5 L Jerry Cans.
Appearance / Colour	Soft mobile gel / liquid
Shelf Life	2 years when stored according to the manufacturer's instructions in original unopened containers.
Storage Conditions	Store in original containers between +5 °C to +40 °C
Density	Approx. 1.02 g/cm ³ (at +20 °C)
Total Chloride Ion Content	<0.01 %
Freezing point	Approx. -10 °C
Consumption	Using an addition rate of 0.5 – 1.0 L per 100 kg cement, 1 L of SikaMix® Integral Waterproofer will generate 7 – 8 m ² of waterproof rendering when gauging at 3 parts sand to 1 part cement by volume.

VALUE BASE

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.

LIMITATIONS

- Do not use in structural concrete.
- Not intended as a DPC replacement. Will not withstand permanent hydrostatic pressure.
- For tanking applications, use in conjunction with Sika® Black Jack® 908 DPM.
- Does not repel water. If a water repellent finish is required, coat render/screed etc with Sika® Water Sealer.

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.

APPLICATION INSTRUCTIONS

MIXING

In all cases, add to gauging water at an addition rate of 125 - 250 mL per 25 kg cement, or alternatively, one part SikaMix® Integral Waterproofer to 20 to 40 parts water and mix until fully dispersed, then add to mix. Gauge the mix as stiff as possible to minimise risk of cracking.

NOTE: Remember to reduce total required quantity of water accordingly (by up to 20 %).

BELOW GROUND WORK

Renders should be composed of 3 parts sharp sand (to BS 1199) to 1 part cement by volume. Do not apply to weak backgrounds.

EXTERNAL WATERPROOF RENDERS

External renders should be composed of 4.5 parts sharp sand (BS 1199) to one part cement by volume. Apply render 18-20 mm thick in two coats.

ROUGH CAST WORK

The backing coat should consist of 3 parts sharp sand (BS 1199) to one part cement by volume.

SWIMMING POOLS, TANKS ETC.

The mix design should be 3 parts sharp sand (BS 1199) to one part cement by volume. Apply an 18-20 mm thick render coat over walls and a 35-38 mm thick render over floor. Take care to ensure that joints are staggered and corners coved. Overcoating with an impervious coating or tiling is recommended.

SIKA LIMITED

Watchmead
Welwyn Garden City
Hertfordshire, AL7 1BQ
Tel: 01707 394444
Web: www.sika.co.uk
Twitter: @SikaLimited



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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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