

## PRODUCT DATA SHEET

## SikaMix® 3 in 1

Water resisting, retarding and plasticising admixture.

## PRODUCT DESCRIPTION

SikaMix® 3 in 1 is a water resisting plasticiser and retarder for improving renders and screeds. It also acts as an inhibitor for efflorescence.

## USES

- For exterior renders and screeds.
- As a water resisting liquid admixture for sand and cement renders and screeds.
- As an aid to prevent water “bleed” from the fresh mortar.
- As a water reducer to inhibit passage of salts for external or internal rendering and screeding.
- As a mortar improver for pebble dashing or rough-cast finishes.

## CHARACTERISTICS / ADVANTAGES

- Improves resistance to water penetration.
- Lowers porosity.
- Improves durability.
- Retains workability for longer.
- Air entraining.
- Prevents water bleeding.
- Inhibits transmission of hygroscopic salts.

## APPROVALS / STANDARDS

Conforms to EN934-3 Air Entraining/Plasticising Admixtures.

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| Packaging                  | 5 L Jerry Can   |
| Appearance / Colour        | Yellow mobile gel   |
| Shelf Life                 | 24 months from date of manufacture in original unopened containers.   |
| Storage Conditions         | Store upright in original, tightly sealed containers and in a dry cool well ventilated area (+5 °C to +25 °C). Protect from sunlight and frost. |
| Density                    | 1.01 - 1.05 g/cm <sup>3</sup> at 20 °C  |
| pH-Value                   | 10.7 – 12.7   |
| Total Chloride Ion Content | <0.1 % w/w  |
| Recommended Dosage         | 250 - 500 mL per 25 kg of cement.   |

## 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 resist permanent hydrostatic pressure. For tanking applications use in conjunction with a DPM.

- Final finish does not repel water. If a water repellent finish is required coat render with a suitable proprietary sealer such as Sika® Water Sealer.
- To avoid excessive air entrainment, do not overdose or overmix.
- Do not mix with other additives in same gauging water. Always premix with gauging water. Do not add directly to the dry mix.

It is the users responsibility to determine suitability for use. If in doubt contact technical services for advice.

## 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

### SUBSTRATE QUALITY / PRE-TREATMENT

Before using SikaMix® 3 in 1, it is important to ensure that the surface to which it is to be applied is clean and free from dust and loose material and that the structure has sufficient mechanical strength. Walls should be wire-brushed and any old paint etc. removed. All contaminants such as oil, grease, or any surface contamination must be removed to ensure adequate development of bond when the render is applied.

When the substrate is found to be highly porous, long term bond and durability can be improved by the use of a bonding slurry consisting of cement and SikaBond® SBR mixed at 1-2:1. This should be applied to the prepared substrate immediately prior to application of the render, which should be applied 'wet on wet'.

### APPLICATION METHOD / TOOLS

- Typical dosage: 250 - 500 mL per 25 kg of cement. Dosage rates to achieve the desired workability will depend on the class of mortar, ambient temperature, sand quality and cement type.
- SikaMix® 3 in 1 should be dispensed into the mixture with the gauging water.
- Where multiple layers of render are to be applied, ensure previous layer is thoroughly scratched to assist the bond.
- All subsequent layers should be no thicker than the previous one.

## 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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#### Product Data Sheet

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August 2025, Version 01.01

021405061000245472

SikaMix3in1-en-GB-(08-2025)-1-1.pdf