

# PRODUCT DATA SHEET

## Sika® Damp Stop

TWO PART WATER BASED MOISTURE BARRIER EPOXY COATING FOR CONCRETE AND MASONRY WALLS AND FLOORS

### DESCRIPTION

Sika® Damp Stop provides a moisture barrier for interior and exterior concrete or masonry surfaces. This prevents ingress of water vapour and will protect linings and furnishings.

### USES

Sika® Damp Stop is designed for sealing concrete and masonry walls and floors from moisture or rising damp. Sika® Damp Stop is not designed to be crack bridging and will not stop flowing water.

### CHARACTERISTICS / ADVANTAGES

- Water based - easy to apply
- Dries in 4 hours
- Non-toxic and odourless
- Can be applied to damp or fresh concrete
- Moss and mould resistant

### APPROVALS / STANDARDS

- Hydrostatic pressure tested to ASTM1306C-05A - exceeds 45psi or 310kPa.
- Water Vapor Transmission rate tested to ASTM E96/E at <0.28 g/h/m<sup>2</sup>.

### PRODUCT INFORMATION

Packaging	4 litre unit (A + B)
Colour	White when mixed.
Shelf Life	Twelve (12) months when stored as stated.
Storage Conditions	Store in unopened original containers in cool dry conditions.
Density	Mixed 1.10 kg/litre

### APPLICATION INFORMATION

Mixing Ratio	1:1 by weight or volume
Consumption	First coat: 6-8 m <sup>2</sup> /litre. Second coat: 8-10 m <sup>2</sup> /litre. A 4 litre unit will cover 10-15 m <sup>2</sup> for a total 2-coat application depending on surface absorbency and profile.
Pot Life	2 hours @ +20°C
Drying Time	TOUCH DRY TIME: 4 hours @ +20°C, 8 hours @ +10°C
Waiting Time / Overcoating	8 hours @ +20°C (max. 48 hours), 12 hours @ +10°C (max. 48 hours)

# APPLICATION INSTRUCTIONS

## SUBSTRATE PREPARATION

- Ensure all surfaces are dry, sound and free from dirt, grease and laitance.
- Make good all surfaces; fill all pore holes and 'bag' the surface of porous masonry with appropriate Sika MonoTop repair mortar prior to application of Sika® Damp Stop. Ideally honed masonry should be used.
- Sika® Damp Stop will tolerate a damp surface but will not tolerate any free standing water or excessively saturated surfaces as this will prevent the product curing.
- If surfaces are wet, dry off then apply Sika® Damp Stop before moisture returns.

## MIXING

It is best practice to mix full units. Where smaller areas are to be coated it may be necessary to mix part units. In this case, a strict mix ratio of 1: 1 by weight or volume must be adhered to. All mixed product should be used immediately as pot life is approximately 2 hours @ +20°C.

**TO MIX A FULL UNIT:** Add ALL of Part B (Hardener) to Part A (Base). Mix thoroughly with a mixing paddle attached to a slow speed drill at 200-300rpm for 2 minutes, ensuring no air is entrained while mixing. Scrape down sides of tin and mix for another 2 minutes.

## APPLICATION METHOD / TOOLS

**Two Coat Application:** Apply with a brush or paint roller to a wet film thickness of 125 µm. Allow to dry for a minimum of 8 hours then apply a second coat to a wet film thickness of 125 µm. If the first coat is allowed to dry for longer than 48 hours, sand thoroughly with a 100 grit sandpaper (and remove all dust) prior to applying the second coat, otherwise delamination between the coats may occur.

## FURTHER DOCUMENTS

**OVERPAINTING:** Sika® Damp Stop is available in White and does not need to be overpainted. However, if painting is required, Sika® Damp Stop may be overcoated with a variety of paints.

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A paint trial is recommended to test compatibility. Apply paint after 8 hours and before 48 hours after application of the first coat of Sika® Damp Stop. Do not apply outside these time periods.

## LIMITATIONS

- Do not apply to surface where there is free water or flowing water.
- Do not dilute.
- Do not apply if temperature is less than +10°C or likely to fall below +10°C during the drying period.

## 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.

## 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.

## 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.

## 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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