

PRODUCT DATA SHEET

Sikalastic® Moisture Seal

High performance, two-component, water based epoxy primer and waterproofing barrier membrane

DESCRIPTION

Sikalastic® Moisture Seal is a two part, water-based, epoxy which chemically cures to form a waterproof vapour barrier that is hydrostatic pressure resistant and can prevent rising damp. Sikalastic® Moisture Seal can be used as a primer over damp concrete and damp screeds prior to the application of various Sika® waterproofing membranes. Sikalastic® Moisture Seal is a low VOC product that is ideal for use in confined spaces.

USES

- Waterproofing and priming of Screeds (damp or green)
- Waterproofing and priming of Concrete (damp or green)
- Rendered brickwork, rendered blockwork, fibrous cement sheeting
- Negative pressure waterproofing applications
- For use as primer prior to the application of waterproofing membranes
- Moisture vapour barrier coating for green screeds and concrete (positive and negative applications)

CHARACTERISTICS / ADVANTAGES

- Excellent adhesion to damp substrates
- Easy water clean-up
- Primer and moisture barrier
- Non-flammable
- Resistant to moisture
- Convenient 1:1 mix ratio
- Easy to apply

PRODUCT INFORMATION

Composition	Water-based epoxy
Packaging	20L Kits (10 L Part A + 10 L Part B)
Shelf life	12 months from date of manufacture in original, sealed containers, if the storage conditions are met.
Storage conditions	Store in dry, weatherproof environment, protected from direct sunlight at temperatures between +10°C and +30°C.
Density	1.35kg per Litre
Solid content by volume	~ 50%

APPLICATION INFORMATION

Mixing ratio	1:1 by volume of Part A & Part B
Consumption	MOISTURE BARRIER COATING: A minimum of 2 coats shall be applied at 3m ² per Litre per coat PRIMER: 1 coat is required at a rate of 10m ² per Litre per coat
Layer thickness	MOISTURE BARRIER COATING: 250-300 micron wet film thickness per coat (2 coats required) PRIMER: 100 micron wet film thickness (1 coat required)
Relative air humidity	< 85%
Pot Life	25°C- 90min 35°C- 45min
Curing time	Full cure at 7 days
Waiting time to overcoating	Allow a minimum of 6 hours and a maximum of 48 hours curing prior to the application of Sika® liquid applied waterproofing membranes. In case the overcoating interval of 72 hours has been exceeded, apply a further coat of Sikalastic® Moisture Seal to reactivate and extend overcoating interval.

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.

IMPORTANT CONSIDERATIONS

LIMITATIONS:

- Sikalastic® Moisture Seal must not be applied directly over protective coatings.
- Sikalastic® Moisture Seal must not be applied if it is raining or if rain is imminent.
- Sikalastic® Moisture Seal is not recommended for metal surfaces as corrosion may occur.
- Sikalastic® Moisture Seal must cure for a minimum of 72 hours prior to full immersion/water testing.
- Sikalastic® Moisture Seal must not be used as a trafficable exposed or UV stable coating.
- Sikalastic® Moisture Seal cure time is affected by surface, ambient temperature and relative humidity.
- Sikalastic® Moisture Seal is a vapour barrier and a primer to be used with a range of Sika® waterproofing membranes. Please contact Sika Technical to confirm membrane compatibility before use.
- Sikalastic® Moisture Seal is not recommended as a efflorescence barrier for sand cement screeds or render and is not suitable to be tiled over.
- Do not apply where the substrate temperature is below 10°C or greater than 35°C.
- Discard any material that has exceeded the pot life or working time of the product.
- In enclosed areas ventilation should be provided to ensure adequate cure.
- Contact Sika Technical Service for advice if further information is required.

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

All surfaces to be waterproofed must be firm, clean, dry, structurally sound and smooth. All grease, oil, wax, curing compounds, dust, loose material, laitance and other contaminants must be removed. All projections and rough spots should be dressed off to achieve a level surface. The substrate surface must be continuous. Substrates that have been previously treated or coated with curing compounds, bonding agents or other coatings must be mechanically prepared and washed to produce a contaminant-free surface.

Sheeting

All sheeting must be fixed in accordance with manufacturer's installation directions.

Concrete

Concrete must be allowed to cure for a minimum 72 hours and cement render and sand and cement screeds must be allowed to cure for 24 hours prior to the application of Sikalastic® Moisture Seal. Surfaces must be even and smooth, imperfections must be repaired with a suitable Sika® MonoTop repair mortar.

MIXING

Prior to application thoroughly stir Part A and Part B with separate implements. Measure equal volumes of Parts A and B and place into a clean container. Using a mechanical mixer, thoroughly mix together to produce a homogenous liquid. Use care to avoid air entrapment into the mixture. Do not mix more product than

can be used in within 90 minutes at 25°C.

APPLICATION METHOD / TOOLS

Sikalastic® Moisture Seal is a minimum two coat system when being used as a moisture barrier and a one coat system when being used as a primer. Sikalastic® Moisture Seal must be applied in an even coat by brush or short nap roller ensuring that the product is worked well into the substrate to ensure adequate penetration and full coverage; ponding of product must be avoided. Each coat must be applied at a right angle to the previous coat. Allow each coat to cure and be tack-free before application of the following coat. It is recommended to test the application depth with a wet film gauge (250-300 microns for moisture barrier, 100 microns for primer) at regular intervals.

CLEANING OF EQUIPMENT

Remove liquid coating immediately with a dry cloth, clean tools and equipment with water while the material is still wet. Cured coating can only be removed mechanically.

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.

Sika Australia Pty Limited

ABN 12 001 342 329

aus.sika.com

Tel: 1300 22 33 48



Product Data Sheet

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