

PRODUCT DATA SHEET

Sikalastic®-777

Root-resistant polyurethane waterproofing membrane

DESCRIPTION

Sikalastic®-777 is a high performance, hand-applied, low VOC, moisture-curing single component elastomeric polyurethane membrane with excellent root-resistance properties.

USES

Sikalastic®-777 is designed for the following waterproofing applications:

- Planter boxes
- Retaining walls
- Foundation and basement walls
- Below ground applications

CHARACTERISTICS / ADVANTAGES

- Excellent root resistance properties
- Low VOC, complies with Green Star requirements
- UV resistant
- Quick tack-free surface
- High resistance to stagnant water
- High resistance to puncture
- High elongation, Class III membrane >300% according to AS/NZ4858
- Single component, ready to use

APPROVALS / CERTIFICATES

AS/NZS 4654.1:2012- Waterproofing membranes for external above-ground

PRODUCT INFORMATION

Composition	Single-pack moisture curing polyurethane
Packaging	15 Litres
Colour	Black
Shelf life	9 months
Storage conditions	From date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.
Density	1.30-1.35 (g/cm ³)
Volatile organic compound (VOC) content	250g/L
Viscosity	10,000 - 18,000 cP @30RPM
Shore A hardness	70 Shore A

Dry film thickness**Vertical applications:**

2 coats of a minimum of 0.670 litres (670 micron) /m2 each are required to achieve a 1 mm dry film thickness.

Floor applications:

2 coats of a minimum of 0.8 litre (800 micron) /m2 each are required to achieve a 1.2 mm dry film thickness.

Minimum 1-1.2mm DFT recommended on all applications.

Tensile strength	6 MPa
Tensile strain at break	> 300%
Tear strength	20 kN/m
Service temperature	-20 to +80°C
Relative air humidity	Between 20 and 90%
Substrate temperature	+5 to +35°C
Substrate moisture content	Up to 5%
Curing time	24 hours for full cure.
Drying time	Sikalastic®-777 can be subject to light foot traffic after 24 hours.
Waiting time to overcoating	In normal conditions, Sikalastic®-777 can be recoated with another layer of Sikalastic®-777 after one night and within 2 days. In case of rain or if the recoating interval was exceeded, light abrasion and reactivate Sikalastic®-777 with Sika Thinner C or for the best results remove the existing coating back to substrate and re-apply.

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

Do not install Sikalastic®-777 without the use of a primer.

Do not under apply Sikalastic®-777 as this will impact the products performance, UV resistance and cause premature degradation.

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**SUBSTRATE PREPARATION**

Surface must be clean, sound, smooth and dust-free as well as oil-free. In the case of a high porosity substrate, it is recommended to use an epoxy primer. Please see 'priming' section below for further information.

APPLICATION METHOD / TOOLS**PRIMER:**

Sikalastic® PU Primer

Sikalastic® Moisture Seal

Sikalastic® 100 EP Primer

CONSUMPTION RATE:

4m2 per Litre

Up to 10m2 per Litre
(refer to PDS)

5-6m2 per Litre (CSP Profile 2-3)

NOTES:

-The above consumption rates are indicative only and can fluctuate depending on the porosity of the surface being primed

MEMBRANE APPLICATION:

Sikalastic®-777 can be applied with a brush or a roller to the desired thickness.

2 coats of 675 micron are required to achieve a dry film thickness of 1mm. (wall applications)

2 coats of 800 micron are required to achieve a dry film thickness of 1.2mm. (floor applications)

3 coats of 630 micron are required to achieve a dry film thickness of 1.4mm (high demand applications)

Sikalastic®-777 can be subject to light foot traffic after 24 hours.

Sikalastic®-777 can be directly trafficable due to its high resistance to puncture and hardness. Vehicle traffic is not permitted on Sikalastic®-777.

CLEANING OF EQUIPMENT

Reusable tools should be cleaned carefully with Sika Thinner C before curing.

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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Product Data Sheet

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