

## PRODUCT DATA SHEET

# Sikalastic®-488 (au)

Moisture-curing single-pack elastomeric polyurethane waterproofing membrane

## DESCRIPTION

Sikalastic®-488 is a high performance, hand-applied, low VOC, moisture-curing single-pack elastomeric polyurethane waterproofing membrane. Sikalastic®-488 is directly foot-trafficable. Sikalastic®-488 is the base coat membrane used within the SikaRoof® MTC-UV systems.

## USES

It is designed for diverse waterproofing including:

- Balconies
- Terraces
- Podium decks
- Plant room floors
- Inverted roofs
- Under tile beds
- Under paver-pad systems

## PRODUCT INFORMATION

<b>Composition</b>	Single-Pack moisture curing Polyurethane
<b>Packaging</b>	15 Litres
<b>Shelf life</b>	9 months

## CHARACTERISTICS / ADVANTAGES

- Seamless membrane
- High resistance to puncture and standing water
- Quick tack-free surface
- Low VOC
- High elongation
- Class III membrane
- Crack bridging capability, no reinforcement needed
- Elastomeric behaviour
- Single pack, ready to use

## APPROVALS / CERTIFICATES

AS / NZS 4654.1:2012 Waterproofing membranes for external above-ground (CSIRO approved)

<b>Storage conditions</b>	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.
<b>Colour</b>	Light Grey
<b>Density</b>	1.30-1.35 (g/cm <sup>3</sup> )
<b>Viscosity</b>	10,000-18000cP @30 RPM
<b>Volatile organic compound (VOC) content</b>	250g/L
<b>Shore A hardness</b>	70 Shore A
<b>Tensile strength</b>	6 MPa
<b>Tensile strain at break</b>	300%
<b>Tear strength</b>	20 kg/cm
<b>Service temperature</b>	-20 to +80 oC
<b>Dry film thickness</b>	<b>SikaRoof® MTC-12 UV</b> 1.2mm DFT system- 2x coats of 750 micron wet film thickness required <b>SikaRoof® MTC-14 UV</b> 1.4mm DFT system- 2x coats of 870 micron wet film thickness required <b>SikaRoof® MTC-20 UV</b> 2.0mm DFT system- 3x coats of 830 micron wet film thickness required
<b>Consumption</b>	<b>SikaRoof® MTC-12 UV</b> 1.2mm DFT system- 10m <sup>2</sup> per 15L pail <b>SikaRoof® MTC-14 UV</b> 1.4mm DFT system- 8.6m <sup>2</sup> per 15L pail <b>SikaRoof® MTC-20 UV</b> 2.0mm DFT system- 6m <sup>2</sup> per 15L pail
<b>Relative air humidity</b>	Between 20 and 90%
<b>Substrate temperature</b>	+5 to +35 oC
<b>Substrate moisture content</b>	Up to 5%
<b>Waiting time to overcoating</b>	In normal conditions, Sikalastic®-488 can be recoated with another layer of Sikalastic®-488 after one night and within 2 days. In case of rain or if the recoating interval was exceeded, light abrasion and reactivate this with Sika Thinner C, come back to the substrate by grinding.

## 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.

## FURTHER INFORMATION

- Sika Method Statement: SikaRoof® MTC-UV systems
- System Data Sheets: SikaRoof® MTC-12 UV, SikaRoof® MTC-14 UV, SikaRoof® MTC-20 UV

## IMPORTANT CONSIDERATIONS

- Do not install Sikalastic®-488 (au) without the use of a primer.
- Do not apply Sikalastic®-488 (au) when rain is imminent within 8-12 hour period of application.
- Always check dew point before application of Sikalastic®-488 (au).
- Do not dilute/thin Sikalastic®-488 (au) with solvents.
- To avoid outgassing and pinholing, apply Sikalastic®-488 (au) on a declining temperature or out of direct sunlight where possible. Adhere to the substrate temperatures on the PDS.
- If surface is porous, double priming may be required to effectively seal the substrate before application of Sikalastic®-488 (au).
- Do not under apply Sikalastic®-488 (au) as this will impact product performance and may cause premature degradation. Please refer to the SikaRoof® MTC-UV system data sheets for the build-up of each indi-

vidual system.

- Vehicle traffic is not permitted on Sikalastic®-488.
- Sikalastic®-488 can be directly foot-trafficable due to its high resistance to puncture and hardness.
- Sikalastic®-488 (au) when exposed to UV light will discolour and chalking of the surface may occur which could effect the products performance long term. It is highly recommended that a top coat be applied. Please refer to the SikaRoof® MTC-UV system data sheets.

## 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. Please refer to the 'SikaRoof® MTC-UV systems' method statement for further information.

### MIXING

Ready-to-use pails. Mix until homogenous.

### APPLICATION

- Sikalastic®-488 can be applied with a brush or a roller to the desired thickness.
- Apply Sikalastic®-488 (au) at the recommended coverage rates for the specific SikaRoof® MTC-UV system that is being installed. The dry film thickness for each coat is mentioned on this PDS.
- Allow Sikalastic®-488 (au) to cure for a minimum 16 hours or until tack free before applying the following layer.
- Do not allow more than 48 hours between coats of Sikalastic®-488 (au) otherwise abrasion and reactivation will be required before proceeding.
- Sikalastic®-488 can be subject to foot traffic after 24 hours.

### CLEANING OF EQUIPMENT

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

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## 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.

#### Product Data Sheet

Sikalastic®-488 (au)

April 2023, Version 01.07

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