

## PRODUCT DATA SHEET

# Sikalastic® M 862

(formerly MSeal M 862)

Two component, polyurethane, polyurea hybrid waterproofing membrane

### DESCRIPTION

Sikalastic® M 862 is a two component, solvent free, hand applied, elastomeric polyurethane-polyurea hybrid waterproofing membrane.

### USES

Sikalastic® M 862 is used in a variety of concrete water-proofing applications including balconies, terraces, podium decks, car park decks, railway, and bridge decks. It's also used in roofing applications where there is no requirement of a fire-retardant coating

### CHARACTERISTICS / ADVANTAGES

- Monolithic, no laps, welds, or seams
- Fully bonded
- Resistant to puncture
- Resistant to standing water
- Resistant to roots penetration
- Thermoset, does not soften at high temperature
- Remains elastic at low temperatures
- Can be re-coated
- Excellent mechanical properties
- Excellent crack bridging capability after only a few hours
- No need to add solvent during construction period, environment friendly, safe to use.

### PRODUCT INFORMATION

Chemical base	PU-PUA Hybrid
Packaging	Sikalastic® M 862 is supplied in 20 kg pre-packed working packs. Part A: 10KG Part B: 10KG
Shelf life	12 months from date of production
Storage conditions	Store in original containers under dry conditions at a temperature between 15 – 25 °C. Do not expose to direct sunlight.
Appearance / Colour	Red Liquid (Mixed Material)
Density	1.2 -1.3 g/cc
Solid content by weight	≥ 98 %

### TECHNICAL INFORMATION

Resistance to root penetration	Pass	(CEN/TS 14416)
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<b>Tensile strength</b>	≥ 6 MPa	(ASTM D 412)
<b>Elongation at break</b>	≥ 600 % (Elongation)	(ASTM D 412)
<b>Crack bridging ability</b>	≥ 3.2 mm (Static)	(EN 1062-7)
<b>Tensile adhesion strength</b>	≥ 1.5 MPa (Concrete)	(ASTM D 4541-17)
<b>Tear strength</b>	≥ 35 N/mm	(ASTM D 624)

## APPLICATION INFORMATION

<b>Mixing ratio</b>	Part A : Part B=1 : 1 by weight	
<b>Consumption</b>	The consumption of Sikalastic® M 862 depends on the application. A 1 mm thick film would require approximately 1.3 Kg/Sq.m	
<b>Ambient air temperature</b>	+10 °C min. / + 40 °C max.	
<b>Relative air humidity</b>	Upto 80%	
<b>Dew point</b>	Beware of condensation. The substrate and uncured applied membrane must be at least +3 °C above dew point.	
<b>Substrate temperature</b>	+10 °C min. / + 40 °C max.	
<b>Substrate moisture content</b>	≤ 4 % parts by weight.	
<b>Drying time</b>	Surface Dry time	≤ 4 hrs
	Dry Though time	≤ 24 hrs

## 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.

## 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

### Surface Preparation

The preparation of the substrate and the use of the appropriate primer are of paramount importance. All surfaces to which Sikalastic® M 862 is applied should be sound, clean, and dry and free from oil or grease, loose particles and any other substances which may impair adhesion. For substrate pre-treatment prior to the primer application see the technical data sheet of our Sikafloor® /Sikalastic® range of primers. Consult our Technical Services team for the correct selection of primer.

### Concrete and cementitious screeds

Concrete and other cementitious substrates must have a minimum pull off strength of 1.5 N/mm<sup>2</sup>. Any

laitance preset on the surface must be removed mechanically. Oils and other contaminants on the surface which may impair adhesion must be removed by scari-fication or other suitable means prior to application of the primer.

### MIXING

Sikalastic® M 862 is supplied in working packs which are pre-packaged in the exact ratio. Before mixing, precondition both the A and B components to a temperature of approximately 15 to 25 °C.

Pour the entire contents of Part A into the container of Part B. DO NOT MIX BY HAND. Mix with a mechanical drill and paddle at a low speed (approx. 300 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing. Keep the mixer bladed fully submersed in the coating to avoid introducing air bubbles. DO NOT WORK OUT OF THE ORIGINAL CONTAINER. After proper mixing to a homogeneous consistency, pour the mixed Parts A and B into a clean container and mix for a further minute.

### APPLICATION

Sikalastic® M 862 is poured onto the prepared substrate and spread with a notched trowel or rubber squeegee. The curing time of the material is influenced by the ambient, material and substrate temperatures. At low temperatures, the chemical reactions are slowed down, this lengthens the pot-life, open time and curing times. High temperatures speed up the

chemical reactions thus the time frames mentioned are shortened accordingly. To fully cure, the material, substrate, and application temperatures should not fall below the minimum recommended. The temperature of the substrate must be at least + 3°C above the dew point both during and for at least 6 hours after application (at 15 °C).

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## 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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