

# PRODUCT DATA SHEET

## Sikalastic®-888

Two component solvent free 100% solids pure Polyurea

### DESCRIPTION

Sikalastic®-888 is a two component, solvent free, flexible polyurea membrane system with good chemical resistance properties.

Sikalastic®-888 is 100% solids and has been formulated to be spray applied using plural component spray equipment.

### USES

Sikalastic®-888 is ideal for the following applications:

- Bridge deck waterproofing membrane
- Abrasion resistant protective coating in industrial and manufacturing facilities
- Waterproofing for cut and cover structures
- Waterproofing for submersed structures
- Waterproofing on walkways and balconies
- Waterproofing on floors and car park decks
- Water retaining structures in power plants
- Secondary containment structures Tank, bund and pit lining in sewage and waste water treatment plants

### PRODUCT INFORMATION

<b>Composition</b>	Pure Polyurea
<b>Packaging</b>	Part A: 210kg drum Part B: 200kg drum
<b>Shelf life</b>	12 months from date of production
<b>Storage conditions</b>	The packaging must be stored properly in original, unopened and undamaged sealed packaging, in dry and cool conditions protected from direct sunlight.

### CHARACTERISTICS / ADVANTAGES

- Very fast reactivity and curing time
- Almost immediate return-to-service time
- Applicable in temperatures from +1°C to +50°C
- Performs in constant dry temperatures from -30°C to +100°C
- Excellent crack bridging properties
- Good chemical resistance
- Excellent abrasion resistance
- Can be applied on polystyrene/ polyurethane foams
- Not resistant to biogenic sulphuric acid

### APPROVALS / CERTIFICATES

AS/ NZS 4020:2018 Potable water approved (In Natural colour only)

<b>Colour</b>	Grey White (MTO) Blue (MTO) Natural (MTO)- For potable water applications
<b>Density</b>	Part A: 1.13kg @ 40°C Part B: 1.0kg @ 40°C
<b>Viscosity</b>	Part A: 180 (cps @ 40°C) Part B: 150 (cps @ 40°C)
<b>Shore A hardness</b>	95 (AS1683.15)
<b>Shore D Hardness</b>	45 ~ 50 (AS1683.15)
<b>Tensile strength</b>	17.0MPa (AS1683.11)
<b>Tear strength</b>	75 kN/m (AS1683.12- Angle tear strength)
<b>Service temperature</b>	-30°C to +100°C

## SYSTEM INFORMATION

<b>System structure</b>	<b>CONCRETE SUBSTRATE APPLICATIONS:</b>		
	<b>Coating System</b>	<b>Product</b>	<b>Consumption</b>
	Primer Coat	Sikafloor 94/Sikafloor 160 (epoxy primer)	0.2 - 0.4kg/m <sup>2</sup> (depending on substrate porosity)
	Primer Broadcast	0.3-0.8mm kiln dried quartz sand	1.0-1.5kg/m <sup>2</sup>
	Membrane Coat	Sikalastic 888	approx. 1.033kg/m <sup>2</sup> /mm
	<ul style="list-style-type: none"> <li>▪ Sikafloor 94 must be used as the primer for potable water applications.</li> <li>▪ If Sikafloor 94/160 is being overcoated with Sikalastic®-888 within 24 hours of application, sand broadcasting is not required.</li> <li>▪ Please note for substrates containing moisture (up to 6%) we suggest substituting primer for Sikatite moisture seal 2K.</li> <li>▪ For adhesion to other substrates than concrete please contact Sika Technical for advice.</li> </ul>		
<b>Mixing ratio</b>	Part A : Part B= 1:1 volume		
<b>Consumption</b>	approx. 1.033 kg/m <sup>2</sup> /mm		
<b>Layer thickness</b>	> 2 mm (Crucial System) ≥ 1.5 mm (Standard System)		
<b>Ambient air temperature</b>	-20°C ~ +50°C		
<b>Relative air humidity</b>	< 85%		
<b>Substrate temperature</b>	+1°C ~ +50°C ≥ 3°C above dew point, beware of condensation		
<b>Curing time</b>	24 hours @ +20°C		
<b>Waiting time to overcoating</b>	1 to 2min @ +20°C		
<b>Drying time</b>	<5 seconds (Gel time)		

## 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

- This product may only be used by experienced professionals.
- For spray application the use of protective health and safety equipment is mandatory.
- The maximum layer thickness per application pass

shall not exceed 4mm, for the build-up of higher thicknesses several passes have to be applied.

- UV light exposure will lead to yellowing and chalking, Sikalastic 888 is not UV stable.

## 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

### MIXING

Dose and mix with a suitable air driven or electrical plural component heated spray equipment. Both components must be heated up to +60 °C. The accuracy of mixing and dosage must be controlled regularly with the equipment. Thoroughly stir part B (Amine) using a drum stirrer until a homogenous colour is obtained.

### CLEANING OF EQUIPMENT

Clean all tools with Thinner C immediately after use. The application equipment has to be cleaned and filled with Mesamoll. Hardened and/or cured material 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.

