

## PRODUCT DATA SHEET

# Sikalastic®-800 HA

### 2-PART POLYUREA HYBRID ELASTIC LAM WATERPROOFING MEMBRANE

#### PRODUCT DESCRIPTION

Sikalastic®-800 HA is a two component, solvent free, highly elastic, low odour polyurea based waterproofing membrane.

Due to its self-levelling properties Sikalastic®-800 HA is ideal for applications on buried roofs/podium decks and will provide a jointless surface, fully bonded, with crack bridging abilities and resistance to ponding water.

#### USES

Sikalastic®-800 HA may only be used by experienced professionals.

- Sikalastic®-800 HA can be hand applied by notched rubber or metal squeegees to obtain the desired thickness
- Sikalastic®-800 HA is an elastomeric product and will stretch and/or contract with the movement of the deck
- Sikalastic®-800 HA is an economic LAM waterproofing solution. Smaller areas up to 150 m<sup>2</sup> can be coated more economically with no need for application machinery

#### PRODUCT INFORMATION

<b>Chemical Base</b>	Elastomeric Aromatic PUA hybrid	
<b>Packaging</b>	20.2 Litres (25 Kg) mixed packs A+B:	
	Part A:	4.7 Litres ( 9.2 Kg)
	Part B:	15.5 Litres (15.8 Kg)
<b>Shelf Life</b>	12 months from date of production	
<b>Storage Conditions</b>	Store properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C.	
<b>Density</b>	~ 1.24 Kg/l (mixed A+B)	(DIN EN ISO 2811-11)

#### CHARACTERISTICS / ADVANTAGES

- Cold applied, self levelling behaviour
- Desired thickness in one layer application
- Low odour product during and after the application
- High elasticity and elongation at break
- Can be covered with an aliphatic top coat for exposed applications
- Good adhesion to most substrates

#### APPROVALS / STANDARDS

- Declaration of Performance No. 16518429 provided with the CE mark
- Reaction to fire according to EN 13501-1: Euroclass E
- Root resistance tested according to DIN CEN/TS 14416 report number 0078.0.2-2019e performed at KIWA Institute in Germany

Solid content by weight 100% (Part A: 100%, Part B: 100%)

Solid content by volume 100% (Part A: 100%, Part B: 100%)

Volatile organic compound (VOC) content: ~0.09 g/litre

## TECHNICAL INFORMATION

Shore A Hardness	75	(BS ISO 7619)
Tensile Strength	10.0 N/mm <sup>2</sup>	(DIN EN ISO 527-3)
Elongation at Break	900%	(DIN EN ISO 527-3)
Tensile adhesion strength	3.2 N/mm <sup>2</sup> <small>Value measured over Sikalastic® Primer 01</small>	(DIN EN ISO 4624)
Tear Strength	13.8 N/mm <sup>2</sup>	(DIN EN ISO 6383)
Chemical Resistance	Resistant to mild acids, alkalis, detergents and some solvents. More details are available on request. Please contact your technical representative.	

## APPLICATION INFORMATION

Mixing Ratio	Component A : Component B = 1 : 1.72 (by weight)
Consumption	25 kg of Sikalastic®-800 HA will cover approximately 10 m <sup>2</sup>
Layer Thickness	2mm depth
Ambient Air Temperature	+2°C min. / +40°C max.
Relative Air Humidity	35% min / 80% max.
Dew Point	Beware of condensation! The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the Sikalastic®-800 HA finish
Substrate Temperature	+2°C min. / +40°C max.
Substrate Moisture Content	<4% pbw moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet)
Pot Life	~25 minutes at +20°C Note: Pot life will decrease at higher temperatures and increase at lower temperatures.

# APPLICATION INSTRUCTIONS

## SUBSTRATE PREPARATION

### Substrate Pre-Treatment

Substrate	Primer
Cementitious substrates	Sikalastic® Primer-01 or Sikafloor®-151
Metals & Ferrous or galvanized metals or stainless steel	Sikalastic® Metal Primer

For the consumption rates and waiting time / overcoating please refer to the PDS of the appropriate primer. Other substrates must be tested for their compatibility. If in doubt, apply a test area first.

The surface must be sound, of sufficient strength, clean, dry and free of dirt, oil, grease and other contamination. Depending on the material the substrate must be primed or mechanically cleaned. Grinding may be necessary to level the surface. Suitable substrates are such as: Concrete, metal, brickwork.

**For detailed information on Substrate Preparation refer to the Sikalastic®-800 HA Method Statement.**

### MIXING

Prior to mixing, stir Part A mechanically. When all of Part A has been added to Part B, mix continuously for 2 minutes until a uniform mix has been achieved. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimise air entrainment.

#### Mixing Tools:

Sikalastic®-800 HA must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

### LIMITATIONS

- Application is done by mixing the components according to the instructions only.
- The use of protective health and safety equipment is mandatory.
- Always refer to the manufacturer's instructions before use the tools and mixing equipment.
- Products shall only be applied in accordance with their intended use.
- Do not apply Sikalastic®-800 HA on substrates with rising moisture.
- On substrates likely to exhibit outgassing, apply during falling ambient and substrate temperatures. If applied during rising temperatures "pin holing" may occur from rising air.
- Product shall be used in conjunction with a safe system of work. Ensure an adequate assessment of all site risks has been conducted prior to work commencing. Refer to the product safety datasheet for further guidance.
- Sikalastic®-800 HA is not UV light resistant and changes colour under UV exposure. However, the performance and technical properties are not affected providing the exposure is max. 1 week. It is therefore advisable to overcoat Sikalastic®-800 HA

with Sikalastic-701 or similar UV protective top coat as early as possible.

- Please note: **Always apply a test area first.**

### VALUE BASE

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.

### LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

### 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.

## 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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