

PRODUCT DATA SHEET

Sikalastic®-800 HA

2-PART POLYUREA HYBRID ELASTIC WATERPROOFING MEMBRANE

PRODUCT DESCRIPTION

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

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

USES

Sikalastic®-800 HA installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

- Sikalastic®-800 HA can be hand applied by notched rubber or metal squeegees to obtain the desired thickness
- Sikalastic®-800 HA is a flexible elastomeric product with crack bridging properties
- Sikalastic®-800 HA is an economic waterproofing solution. Smaller areas up to 150 m² can be coated without the need for application machinery

PRODUCT INFORMATION

Chemical Base	Elastomeric Polyurea hybrid	
Packaging	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)
Shelf Life	12 months from date of production	
Storage Conditions	Store properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C.	
Density	~ 1.24 Kg/l (mixed A+B)	(DIN EN ISO 2811-11)
Solid content by mass	100% (Part A: 100%, Part B: 100%)	

CHARACTERISTICS / ADVANTAGES

- Cold applied, self levelling behaviour
- Desired thickness in one layer application
- Low odour product during and after the application
- High flexibility
- May be combined with Sika Extender T for vertical applications
- Can be covered with an aliphatic top coat for exposed applications
- Good adhesion to most substrates

APPROVALS / STANDARDS

- Conforms to the requirements of EN 1504-2:2004
- 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
- MOB PF2 PS/SPU T42.00 Pedestal Structure and Fixing Test
- BBA Certificate No. 21/5942 Product Sheet 1 and 2

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 ²	(DIN EN ISO 527-3)
Elongation at Break	900%	(DIN EN ISO 527-3)
Tensile adhesion strength	3.2 N/mm ² <small>Value measured over Sikalastic® Primer 01</small>	(DIN EN ISO 4624)
Tear Strength	13.8 N/mm ²	(DIN EN ISO 6383)
Crack Bridging Ability	Crack bridging to EOTA TR013	Pass
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	Part A: Part B = 1 : 1 volume
Consumption	25 kg of Sikalastic®-800 HA will cover approximately 10 m ²
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.

Estimated values of Sikalastic®-800 HA

Ambient Conditions	Rain Resistant	Foot traffic	Full Cure
+10°C/50% r.h	3 hours ¹	10 hours	28 hours
+20°C/50% r.h	2 hours ¹	6 hours	24 hours
+30°C/50% r.h	1 hour ¹	4 hours	20 hours

Maximum waiting time between coats of Sikalastic®-800 HA is 3 days

¹ Impact from heavy rain or rain showers can still physically mark or damage the membrane

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- Do not part mix.
- Application is done by mixing the components according to the instructions only. 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.
- The use of protective health and safety equipment is mandatory.
- Always refer to the manufacturer's instructions before use for advice on 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.
- Priming the substrate is critical, double priming is recommended to ensure a proper seal and preventing outgassing.
- Primed surfaces shall be pore free and sealed to prevent outgassing.
- 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 if being left exposed with Sikalastic®-701 or similar UV protective top coat as early as possible.
- Please note: **Always apply a test area first.**
- Do not use on contaminated land, for high chemical resistance consider using Sikalastic®-8800.
- Consider using Sikalastic® -8800 for high mechanical stress.
- Not for permanent water loading (Including water retaining structures, blue roofs and permanent hydrostatic pressure). In this application consider using Sikalastic® 8800.
- Ensure Sikalastic®-800 HA has cured before exposure to rain or moisture. Do not use when rain forecast during curing time or ensure the surface is fully protected.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling.

Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Substrate Pre-Treatment

Surface defects should be repaired with appropriate scratch coat materials. See method statement.

<u>Substrate</u>	<u>Primer</u>
Cementitious substrates	Sikalastic® Primer-01. Sika® Concrete Primer or Sikafloor®-151 lightly broadcast with quartz sand, 0.3–0.8 mm (Sika- floor®-151 only)
Metals and Ferrous or gal- vanised 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.

Sika highly recommend double priming substrates before application of Sikalastic®-800 HA.

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 concrete, metal and 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.

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 the 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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