

PRODUCT DATA SHEET

Sikalastic®-810

PUR-BASED PRIMER FOR LIQUID APPLIED MEMBRANES

DESCRIPTION

Sikalastic®-810 is a two part adhesion promoting primer based on polyurethane resin for several Sikalastic®-systems. Used if the max. waiting time is exceeded.
Suitable for use in hot and tropical climatic conditions.

USES

- Adhesion promoting primer
- For liquid applied membranes within the Sikalastic® range.
- Used if the max. waiting time is exceeded.

CHARACTERISTICS / ADVANTAGES

- Good adhesion to flexible spray applied membranes and PUR-coatings
- Fast curing
- Low consumption
- Sprayable

APPROVALS / CERTIFICATES

Polymer Institute Dr. Stenner, test report No. P1700, 1999, Bridgedeck Waterproofing on concrete decks according TL/ TL-BEL-B and ZTV-BEL-B, part 3

PRODUCT INFORMATION

Composition	Polyurethane	
Packaging	Part A (Poly):	9.0 kg
	Part B (Iso):	4.5 kg
	Part A + B:	13.5 kg ready to mix unit
Appearance / Colour	Part A:	Yellowish-brownish liquid
	Part B:	Dark brown liquid
Shelf life	12 month from date of production	
Storage conditions	The packaging must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C. Protected from direct sunlight.	
Density	Part A:	~1.48 kg/l (+23 °C)
	Part B:	~1.23 kg/l (+23 °C)
	Part A + B:	~1.38 kg/l (+23 °C)
Solid content	~99 %	
Viscosity	+20 °C	
	Part A:	6250 mPas
	Part B:	125 mPas

SYSTEMS

Systems

System on concrete		
Coating System	Product	Consumption
Coating:	Sikalastic® liquid applied membrane ¹ .	2.
Primer:	1 part Sikalastic®-810 + 0.15 parts Sika® Thinner C	~0.05 - 0.09 kg/m ²
Coating:	Sikalastic® liquid applied membrane	2.

1. If the max. waiting time is exceeded.
2. Please refer to the product data sheet of the respective coating.

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.

APPLICATION INFORMATION

Mixing Ratio	Part A : B:	2 : 1 (by weight)
Consumption	0.05 - 0.09 kg/m ² , Sikalastic®-810 with 15 % (by weight) Sika® Thinner C	
Layer Thickness	~0.05 mm	
Ambient Air Temperature	Min. +8 °C, max. +40 °C The temperature must not fall below the minimum temperature during curing.	
Relative Air Humidity	Max. 80 %	
Dew Point	Beware of condensation! The substrate and uncured membrane must be at least 3°C above dew point to reduce the risk of condensation or blooming of the membrane finish.	
Substrate Temperature	Min. +8 °C, max. +40 °C The temperature must not fall below the minimum temperature during curing.	
Pot Life	Temperature	Time
	+10 °C	~45 minutes
	+20 °C	~30 minutes
	+30 °C	~15 minutes
	+40 °C	~10 minutes

Waiting Time / Overcoating

Overcoating of Sikalastic®-810		
Temperature	Minimum ¹ .	Maximum ² .
+10 °C	~3 hours	~6 hours
+20 °C	~2 hours	~4 hours
+30 °C	~1 hour	~2 hours
+40 °C	~40 minutes	~1 hour

1. Sikalastic®-810 may be overcoatet as soon as a skin has formed which is still slightly sticky.
2. If the maximum waiting time is exceeded again, Sikalastic®-810 must be revised with itself and with a maximum of 20 wt.-% Sika® Thinner C again.

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.

In doubt: Apply a test area first.

Sikalastic®-810 is always applied to a Sikalastic®-LAM, in which the intermediate waiting time was exceeded. Please refer to the product data sheet of the respective product.

MIXING

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved. When parts A and B have been mixed, add Sika® Thinner C and mix for a further 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®-810 must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

APPLICATION

Prior to application, confirm substrate moisture content, relative air humidity and dew point.

Sikalastic®-810 is poured out and spread evenly with a short-pile nylon roller

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically.

IMPORTANT CONSIDERATIONS

- Freshly applied Sikalastic®-810 must be protected from damp, condensation and water until overcoating.
- Avoid puddles.
- The already mixed and diluted must be applied not exceeding the recommended material consumption and thickness. Higher consumption may lead to the formation of blisters on the surface.

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BASIS OF PRODUCT DATA

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

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.

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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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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Product Data Sheet
Sikalastic®-810
November 2018, Version 02.01
020702020010000002

Sikalastic-810-en-AE-(11-2018)-2-1.pdf

