BUILDING TRUST

PRODUCT DATA SHEET

Sikalastic®-810

PUR-BASED PRIMER FOR LIQUID APPLIED MEMBRANES

DESCRIPTION

Sikalastic®-810 is a two component, polyurethane adhesion promoting primer based on polyurethane resins for Sikalastic® liquid membranes. It is used if the intermediate maximum waiting time has been exceeded.

USES

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

CHARACTERISTICS / ADVANTAGES

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

APPROVALS / CERTIFICATES

Polymer Institut Dr. Stenner, test report No. P1700, 1999, Bridgedeck Waterproofing on concrete decks according to 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
	Parts A + B:	13,5 kg ready to mix units
Appearance / Colour	Component A:	yellowish-brownish liquid
	Component B:	dark brown liquid
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. Protect from direct sunlight.	
Density	Part A:	~ 1,48 kg/l (+23 °C)
	Part B:	~ 1,23 kg/l (+23 °C)
	Mix A + B:	~ 1,38 kg/l (+23 °C)
Solid content	~ 99 %	

Viscosity

	+20 °C
Part A:	6 250 mPas
Part B:	125 mPas

SYSTEMS

Systems

System for concrete structures

Coating	Product	Consumption
Coating:	Sikalastic® liquid membrane[1]	[2]
Bonding bridge:	1 part Sikalastic®-810 + 0,15 parts Thinner C	~ 0,05 - 0,09 kg/m²
Coating:	Sikalastic® liquid membrane	[2]

1. When the maximum waiting time is exceeded.
2. Please refer to the product data sheet of the corresponding product.

These are theoretical values and do not include any additions for surface porosity, surface roughness, level differences and residual material in the container, etc.

APPLICATION INFORMATION

Mixing Ratio

Part A : B = 2:1 (by weight)

Consumption

0,05 - 0,09 kg/m², diluted with 15% 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

Before applying Sikalastic® products on Sikalastic®-810 allow:

Substrate 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 can be coated 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 re-applied with Sikalastic®-810 adding maximum 20% by weight Thinner C.

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

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The surface must be dry and free of all contaminants such as oil, grease, coatings and surface treatments etc. All dust, loose and friable material must be completely removed.
In doubt, apply a test area first.
Sikalastic®-810 is always applied to a Sikalastic® liquid membrane where the intermediate waiting time has been 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 r.h and dew point.
Sikalastic®-810 is poured out and spread evenly with a short-pile nylon roller.

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using Thinner C immediately after use. Hardened / cured material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

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

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.

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.

DIRECTIVE 2004/42/CE LIMITATION OF EMISSIONS OF VOC

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA/j type sb) is 550/500 g/l (Limits 2007/2010) for the ready to use product. The maximum content of Sikalastic®-810 is < 500 g/l VOC for the ready to use product.

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.

Sika Hellas ABEE
15 Protomagias Str.
14568 Kryoneri
Attica-Greece
Tel.: +30 210 8160 600
Fax: +30 210 8160 606
www.sika.gr | sika@gr.sika.com