

Sikalastic®-810

Bonding bridge for waterproofing membranes

Product Description	Sikalastic®-810 is a two part, polyurethane adhesion promoting bonding bridge.	
Uses	■ Bonding bridge for overlapping or overcoating of Sikalastic® waterproofing membranes when exceeding the maximum waiting time e.g. with Sikalastic®-841 ST.	
Characteristics / Advantages	■ Good adhesion on flexible PUR coatings ■ Contains no solvents ■ Fast curing ■ Low material consumption ■ Sprayable	
Tests		
Approval / Standards	Conforms to the requirements of ZTV-BEL-B, Part 3, 1995 edition. Certificate: P 1700-1, P 1700-2 and P 2366; by Polymer Institute Dr. Stenner GmbH	
External Supervision	Polymer Institute Dr. Stenner GmbH.	
Product Data		
Form		
Appearance / Colours	Resin - part A: yellowish / brownish liquid Hardener - part B: dark brown liquid	
Packaging	Part A: 9.0 kg container Part B: 4.5 kg container Part A+B: 13.5 kg ready to mix units	
Storage		
Storage Conditions / Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.	
Technical Data		
Chemical Base	Polyurethane	
Density	Part A: ~ 1.481 kg/litre Part B: ~ 1.229 kg/litre Mixed resin: ~ 1.380 kg/litre	(DIN EN ISO 2811-1)



All Density values at +23°C.

Solid Content	100%
Viscosity	Part A: ~ 6250 mPas Part B: ~ 125 mPas

System Information

System Structure	Primer: 2 x Sikagard®-156 / 161 Waterproofing: 1 x Sikalastic®-841 ST Bonding bridge: 1 x Sikalastic®-810 (if max. waiting time was exceeded) Subsequent layer: 1 x Sikalastic®-841 ST
	The system configuration as described must be fully complied with and may not be changed.

Application Details

Consumption / Dosage

Coating System	Product	Consumption
Bonding bridge (when exceeding the max. waiting time)	1 x Sikalastic®-810 + 15 wt.-% Thinner C	0.05 - 0.09 kg/m ²

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

Substrate Quality	The surface must be dry and free of all contaminants such as oil, grease, coatings and surface treatments etc. Pull-off strength must be not less than 1.5 N/mm ² . In doubt, apply a test area first.
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Substrate Preparation	All dust, loose and friable material must be completely removed.
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Application Conditions / Limitations

Substrate Temperature	+8°C min. / +45°C max.
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Ambient Temperature	+8°C min. / +45°C max.
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Substrate Moisture Content	≤ 4% pbw moisture content. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No water / moisture / condensation on the substrate. No rising moisture according to ASTM (Polyethylene-sheet). Check Dew point before application of Sikalastic®-810.
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Relative Air Humidity	80% r.h. max.
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Dew Point	Beware of condensation! The ambient temperature during application must be at least 3°C above the dew point.
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Application Instructions

Mixing	Part A : part B = 2 : 1 (by weight)
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Mixing Time	Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 3 minutes until a uniform mix has been achieved. Add 15% Thinner C and mix again until a uniform mix has been achieved. To ensure thorough mixing pour materials into another container and mix again to uniform consistent mix. Over mixing must be avoided to minimise air entrapment.
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Mixing Tools	Sikalastic®-810 must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.
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Application Method / Tools	<p>Prior to application, confirm r.h and dew point.</p> <p><i>Bonding bridge:</i> Uniformly apply 1 x Sikalastic®-810 using a short pile (12 mm) nylon roller or by spray. For spray application use cup guns, airless spray or pressure feed equipment.</p>
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Cleaning of Tools	Clean all tools and application equipment with Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically.
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Potlife											
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Waiting Time / Overcoating	<p>Before applying Sikalastic® products on Sikalastic®-810 allow:</p> <table border="1"> <thead> <tr> <th>Temperatures</th> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>+10°C</td> <td>180 minutes</td> <td>6 hours ¹⁾</td> </tr> <tr> <td>+20°C</td> <td>120 minutes</td> <td>4 hours ¹⁾</td> </tr> <tr> <td>+30°C</td> <td>60 minutes</td> <td>2 hours ¹⁾</td> </tr> <tr> <td>+45°C</td> <td>40 minutes</td> <td>1 hour ¹⁾</td> </tr> </tbody> </table> <p>¹⁾ If the max. waiting time is exceeded, then Sikalastic®-810 must be overworked with itself with max. 20 wt.-% Thinner C.</p> <p>Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.</p>	Temperatures	Minimum	Maximum	+10°C	180 minutes	6 hours ¹⁾	+20°C	120 minutes	4 hours ¹⁾	+30°C	60 minutes	2 hours ¹⁾	+45°C	40 minutes	1 hour ¹⁾
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Notes on Application / Limitations	<p>The diluted material must be applied thinly but continuously. The recommended material consumption must be strictly observed, otherwise it may lead to the formation of blisters. Avoid puddles on the surface.</p> <p>Temperature of substrate during application and curing: at least +8°C.</p>
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Curing Details											
Applied Product ready for use	<table border="1"> <thead> <tr> <th>Temperature</th> <th>Sikalastic®-810 can be overcoated, as soon as it has formed a film which is still slightly tacky. Dependent on ambient conditions this will be reached after:</th> </tr> </thead> <tbody> <tr> <td>+10°C</td> <td>~ 180 minutes</td> </tr> <tr> <td>+20°C</td> <td>~ 120 minutes</td> </tr> <tr> <td>+30°C</td> <td>~ 60 minutes</td> </tr> <tr> <td>+45°C</td> <td>~ 45 minutes</td> </tr> </tbody> </table> <p>Note: Times are approximate and will be affected by changing ambient conditions.</p>	Temperature	Sikalastic®-810 can be overcoated, as soon as it has formed a film which is still slightly tacky. Dependent on ambient conditions this will be reached after:	+10°C	~ 180 minutes	+20°C	~ 120 minutes	+30°C	~ 60 minutes	+45°C	~ 45 minutes
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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.
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Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
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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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

