

## PRODUCT DATA SHEET

# Sikalastic® Rapid Asphalt Primer

Two component, fast-reactive primer for asphalt surfaces

### PRODUCT DESCRIPTION

Sikalastic® Rapid Asphalt Primer is a fast reactive primer used as a barrier on asphalt substrates in preparation for the later application of Sikalastic® Rapid waterproofing or surfacing products.

### USES

- Used for the pre-treatment (primer and barrier coat) of asphalt substrates (eg mastic asphalt)
- For new construction and refurbishment projects

### CHARACTERISTICS / ADVANTAGES

- Very good adhesion to asphalt substrates
- Fast curing
- Can be applied at sub-zero temperatures
- Hydrolysis and alkali resistant
- Easy and fast application
- Solvent-free

### PRODUCT INFORMATION

<b>Chemical Base</b>	Two-component Polymethylmethacrylate (PMMA) Resin and catalyst	
<b>Packaging</b>	<b>SUMMER</b>	
	Sikalastic® Rapid Asphalt Primer	10.00kg
	Sikalastic® Rapid Catalyst	0.30kg ( 3 x 0.1kg)
	<b>Total</b>	<b>10.30kg</b>
	<b>WINTER</b>	
	Sikalastic® Rapid Asphalt Primer	10.00kg
Sikalastic® Rapid Catalyst	0.60kg (6 x 0.1 kg)	
<b>Total</b>	<b>10.60kg</b>	
<b>Appearance / Colour</b>	Pigmented liquid - White	
<b>Shelf Life</b>	Unopened products have a shelf life of at least 12 months.	
<b>Storage Conditions</b>	Store products sealed in their original airtight container and in a cool, dry and frost-free place. Direct sunlight on the containers should be avoided, including on site. After removing some of the contents, reseal the containers so they are airtight. Reference should also be made to the storage recommendations of the material safety datasheet.	
<b>Density</b>	1.08 g/cm <sup>3</sup> (white)	

### SYSTEM INFORMATION

## APPLICATION INFORMATION

<b>Consumption</b>	<b>Substrate</b>	<b>Consumption</b>																																	
	Smooth	0.40 kg/m <sup>2</sup>																																	
	Fine-sandy	0.50 kg/m <sup>2</sup>																																	
	Rough	0.80 kg/m <sup>2</sup>																																	
<b>Ambient Air Temperature</b>	-5 °C min. / +35 °C max																																		
<b>Relative Air Humidity</b>	The relative humidity must be ≤90%																																		
<b>Dew Point</b>	Beware of condensation. Surface temperature during application and cure must be a minimum of 3°C above dew point. The substrate temperature must not be less than +3°C if a topping is applied to the surface. Reaction problems can occur at lower temperatures.																																		
<b>Substrate Temperature</b>	-5 °C min. / +50 °C max																																		
<b>Substrate Moisture Content</b>	The surface to be coated must be dry and ice-free The surface must be protected from moisture until the coating has hardened																																		
<b>Pot Life</b>	The material in opened containers should be applied immediately. At 20°C, 2% catalyst the pot life is approximately 15 minutes																																		
<b>Curing Time</b>	<b>Temperature</b>	<b>Catalyst</b>	<b>Rain Resistant</b>	<b>Can be trafficked/overcoated</b>	<b>Full cure</b>																														
	20°C	3%	30 minutes	45 minutes	3 hours																														
<p>Note: Times are approximate and will be affected by changing ambient conditions. Higher temperatures or greater proportions of Sikalastic® Rapid Catalyst will reduce reaction times, while lower temperatures and smaller proportions of Catalyst will increase reaction times. The following table indicates the recommended amount of Sikalastic® Rapid Catalyst required to adjust the curing reaction to the temperature. <b>Substrate temperature in °C; required amounts of Sikalastic® Rapid Catalyst in % w/w (guide)</b></p> <table border="1"> <tr> <td><b>-10</b></td> <td><b>-5</b></td> <td><b>+3</b></td> <td><b>5</b></td> <td><b>10</b></td> </tr> <tr> <td>-</td> <td>6%</td> <td>6%</td> <td>6%</td> <td>4%</td> </tr> <tr> <td><b>15</b></td> <td><b>20</b></td> <td><b>25</b></td> <td><b>30</b></td> <td><b>35</b></td> </tr> <tr> <td>2%</td> <td>2%</td> <td>2%</td> <td>2%</td> <td>2%</td> </tr> <tr> <td><b>40</b></td> <td><b>45</b></td> <td><b>50</b></td> <td></td> <td></td> </tr> <tr> <td>1%</td> <td>1%</td> <td>1%</td> <td></td> <td></td> </tr> </table> <p>Return-to-service times are provided as a guide only and may vary as a result of conditions. Newly installed balconies should be protected from exposure to heavy traffic by overlaying with an appropriate protective covering. This is particularly critical where early access is needed by other construction related traffic. Sika Liquid Plastics will not be held responsible for damage to balcony surfaces that results from failures to adequately protect newly laid areas. For further advice, consult Sika Liquid Plastics Technical Customer Services</p>						<b>-10</b>	<b>-5</b>	<b>+3</b>	<b>5</b>	<b>10</b>	-	6%	6%	6%	4%	<b>15</b>	<b>20</b>	<b>25</b>	<b>30</b>	<b>35</b>	2%	2%	2%	2%	2%	<b>40</b>	<b>45</b>	<b>50</b>			1%	1%	1%		
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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.

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, please refer to the most recent Safety Datasheet.

## APPLICATION INSTRUCTIONS

### SUBSTRATE QUALITY

The asphalt must be carefully assessed for bond, moisture and/or air entrapment, grade and surface finish prior to any coating works being carried out. All major cracks should be assessed for movement potential before application of Sikalastic® Rapid system. Treatment will depend on system being used – If not already specified consult Sika Liquid Plastics Technical Services for assistance.

### SUBSTRATE PREPARATION

The primer must only be applied to a prepared substrate. Please refer to the Sikalastic® Rapid Method Statement for further information on substrate preparation.

### MIXING

Use a twin-paddle stirrer to mix the product. First stir the tub contents thoroughly. Then add the Sikalastic® Rapid Catalyst while stirring the resin at the slow speed setting and mix for 2 minutes. Make sure that the product on the base and sides of the container is mixed in. At product temperatures <10°C the product should be stirred for 5 minutes, as the catalyst will take longer to dissolve.

### APPLICATION

Sheepskin roller.  
Brush (only for areas not accessible with roller).  
Use the sheepskin roller to apply an even film-forming coat of primer. Avoid creating puddles of primer. Once the coating has cured, apply a second coat to cover any defected (bubbles, areas not fully coated).

### CLEANING OF TOOLS

If work is interrupted or when it is completed, clean the tools thoroughly with Sikalastic® Rapid Cleaner within the pot life of the material (approx. 10 minutes). This can be done with a brush. Do not use the tools again until the Cleaner has evaporated fully. Simply immersing the tools in the Cleaner will not prevent the material hardening.

## 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.

## 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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