

PRODUCT DATA SHEET

Sikalastic® Rapid Clear Sealer

TWO COMPONENT, PMMA BASED, CLEAR SEALER RESIN.

PRODUCT DESCRIPTION

Sikalastic® Rapid Clear Sealer is used as a wearing layer for Sikalastic Rapid Trafficable systems. It is a colourless, clear and mechanically durable sealer for surfaces with topping. It is designed specifically as a finish on top of coloured sand.

USES

- Clear wearing layer for of Sikalastic Rapid Trafficable systems
- For new construction and refurbishment projects

CHARACTERISTICS / ADVANTAGES

- Cold applied
- Fast-curing
- Abrasion resistant
- Easy and fast application
- Solvent-free
- Seamless membrane
- Weather-resistant (UV-, hydrolysis- and alkali-resistant)

PRODUCT INFORMATION

Chemical Base	Two-component Polymethylmethacrylate (PMMA) Resin and catalyst.	
Packaging	SUMMER	
	Sikalastic® Rapid Clear Sealer	10 Kg
	Sikalastic® Rapid Catalyst	2x0.1 Kg
	Total	10.20 Kg
	WINTER	
	Sikalastic® Rapid Clear Sealer	10 Kg
Sikalastic® Rapid Catalyst	4x0.1 Kg	
Total	10.40 Kg	
Colour	Translucent blue	
Shelf Life	12 months	
Storage Conditions	<p>Store products sealed in their original airtight container and in a cool, dry and frost-free place.</p> <p>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.</p>	
Density	0.97 g/cm ³	

SYSTEM INFORMATION

System Structure

Communal Walkways - Durability dependent on condition of the substrate Sikalastic Rapid Trafficable (Wearing system)

Preparation	Prior to priming all substrates must be clean dry and sound free from any oxidisation, mould and any other deleterious materials. For further information please contact technical services	
Waterproofing Layer (Upstands)	Sikalastic® Rapid -721 Thixo (Wet on wet application) Sikalastic® Rapid Fleece 110 (0.26m width)	2.5kg/m ²
Protective Layer	Sikalastic®-Rapid Leveling Mortar	4.0kg/m ²
Wearing Layer	Coloured Sand	3.0kg/m ²
	Sikalastic® Rapid Clear Sealer	0.6kg/m ²

Communal Walkways - Durability dependent on condition of the substrate Sikalastic Rapid Trafficable (Waterproofing & wearing system)

Preparation	Prior to priming all substrates must be clean dry and sound free from any oxidisation, mould and any other deleterious materials. For further information please contact technical services	
Waterproofing Layer (Upstands)	Sikalastic® Rapid -721 Thixo (Wet on wet application) Sikalastic® Rapid Fleece 110 (0.26m width)	2.5kg/m ²
Waterproofing Layer (Field Areas)	Sikalastic® Rapid -721 (Wet on wet application) Sikalastic® Rapid Fleece 110 (1.05m width)	2.5kg/m ²
Protective Layer	Sikalastic®-Rapid Leveling Mortar	4.0kg/m ²
Wearing Layer	Coloured Quartz	3.0kg/m ²
	Sikalastic® Rapid Clear Sealer	0.6kg/m ²

Please note: the above rates are for smooth substrates only.

APPLICATION INFORMATION

Ambient Air Temperature	-5 °C min. / +30 °C max.
Relative Air Humidity	The relative humidity must be ≤90%
Substrate Temperature	+3 °C min. / +40 °C max.

Dew Point	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.																								
Substrate Moisture Content	The surface to be coated must be dry and ice-free The surface must be protected from moisture until the coating has hardened																								
Pot Life	The material in opened containers should be applied immediately At 20°C, 2% catalyst the pot life is approximately 15 minutes																								
Applied Product Ready for Use	Temperature	Catalyst	Rain resistant	Can be trafficked/overcoated	Full cure																				
	20°C	2%	45 minutes	1 hour	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. Substrate temperature in °C; required amounts of Sikalastic Rapid Catalyst in % w/w (guide)</p> <table border="1"> <thead> <tr> <th>-5</th> <th>+3</th> <th>5</th> <th>10</th> <th>15</th> </tr> </thead> <tbody> <tr> <td>N/A</td> <td>4%</td> <td>4%</td> <td>4%</td> <td>2%</td> </tr> <tr> <td>20</td> <td>25</td> <td>30</td> <td>35</td> <td>40</td> </tr> <tr> <td>2%</td> <td>2%</td> <td>2%</td> <td>1.5%</td> <td>1.5%</td> </tr> </tbody> </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>					-5	+3	5	10	15	N/A	4%	4%	4%	2%	20	25	30	35	40	2%	2%	2%	1.5%	1.5%
-5	+3	5	10	15																					
N/A	4%	4%	4%	2%																					
20	25	30	35	40																					
2%	2%	2%	1.5%	1.5%																					

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Apply the finish to the topped self-levelling mortar. The area must be hard (ready to be overcoated) and any loose topping must have been vacuumed off. Sikalastic® Rapid Clear Sealer is used as a durable finish on coloured sand toppings. However, it is not suitable as a receiver for toppings. It is not recommended for sealing surfaces that are both smooth and light in colour.

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 4 minutes, as the catalyst will take longer to dissolve.

APPLICATION

For applying the product:

Finishing roller (sheepskin roller, minimal shedding)
Rubber blade, hard (for applying finish to topped surfaces)

Use the finish roller to apply an even layer of the mixed material (approx. 0.6kg/m²). Avoid fluctuating layer thicknesses.

Finish for topped surfaces:

Use a hard rubber blade to apply a first coat of finish and smooth over with a finish roller if required (depending on particle size of topping approx. 0.60 to 0.80 kg/m²).

Refer to Sikalastic® Rapid Method Statement for more information

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.

LIMITATIONS

Applications of Sikalastic® Rapid Clear Sealer in con-

fined spaces must be undertaken in accordance with material safety datasheet recommendations. Do not apply close to the air intake vents of running air conditioning units until either switched off or isolated as vapour may be drawn into the building. Adhesion suitability must be verified practically on site prior to commencing contract. Refer to Sika Liquid Plastics recommendations and this Technical Data Sheet for installation guidance.

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please 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, please refer to the most recent Safety Datasheet.

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.

TECHNICAL ENQUIRIES

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