

## PRODUCT DATA SHEET

# Sikalastic® Rapid Pigmented Sealer

TWO COMPONENT, PMMA BASED, PIGMENTED SEALER RESIN

### PRODUCT DESCRIPTION

Sikalastic® Rapid Pigmented Sealer is used as a wearing layer for Sikalastic® Rapid Trafficable systems. It is a high-grade, mechanically durable finish. Different toppings can be applied to achieve the desired slip-resistant properties.

### USES

- Wearing layer for Sikalastic® Rapid Trafficable systems
- For new construction and refurbishment project

### CHARACTERISTICS / ADVANTAGES

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

### PRODUCT INFORMATION

<b>Chemical Base</b>	Two-component Polymethylmethacrylate (PMMA) Resin and catalyst	
<b>Packaging</b>	<b>SUMMER</b>	
	Sikalastic® Rapid-Pigmented Sealer	10.00kg
	Sikalastic® Rapid Catalyst	0.20kg (2 x 0.1kg)
	Total	10.20kg
	<b>WINTER</b>	
	Sikalastic® Rapid-Pigmented Sealer	10.00kg
Sikalastic® Rapid Catalyst	0.40kg (4 x 0.4kg)	
Total	10.40kg	
	Please see Curing Details section for more information	
<b>Colour</b>	Pigmented Liquid RAL 7032 (Pebble Grey) RAL 7043 (Dary Grey) Available in most other RAL colours subject to a minimum order quantity	
<b>Shelf Life</b>	12 months.	

## Storage Conditions

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.

## Density

1.04 to 1.20 g/cm<sup>3</sup>  
(Density will vary from colour to colour)

## SYSTEM INFORMATION

### System Structure

#### Minimum Coverage Rates

#### 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	Sikalastic® Rapid -721 Thixo (Wet on wet application)	2.5kg/m <sup>2</sup>
(Upstands)	Sikalastic® Rapid Fleece 110 (0.26m width)	
Protective Layer	Sikalastic®-Rapid Leveling Mortar	4.0kg/m <sup>2</sup>
Wearing Layer	Sikalastic®-Rapid Aggregate	3.0kg/m <sup>2</sup>
	Sikalastic®-Rapid Pigmented Sealer	0.6kg/m <sup>2</sup>

#### 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	Sikalastic® Rapid -721 Thixo (Wet on wet application)	2.5kg/m <sup>2</sup>
(Upstands)	Sikalastic® Rapid Fleece 110 (0.26m width)	
Waterproofing Layer	Sikalastic® Rapid -721 (Wet on wet application)	2.5kg/m <sup>2</sup>
(Field Areas)	Sikalastic® Rapid Fleece 110 (1.05m width)	
Protective Layer	Sikalastic®-Rapid Leveling Mortar	4.0kg/m <sup>2</sup>
Wearing Layer	Sikalastic®-Rapid Aggregate	3.0kg/m <sup>2</sup>
	Sikalastic®-Rapid Pigmented Sealer	0.6kg/m <sup>2</sup>

**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

<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 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>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Catalyst</b>	<b>Rain Resistant</b>	<b>Can be trafficked/over-coated</b>	<b>Full Cure</b>
	20°C	2%	45 minutes	1 hour	3 hours
	<b>Note:</b> 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>				
	<b>-10</b>	<b>-5</b>	<b>+3</b>	<b>5</b>	<b>10</b>
	-	-	4%	4%	4%
	<b>15</b>	<b>20</b>	<b>25</b>	<b>30</b>	<b>35</b>
	2%	2%	2%	2%	1.5%
	<b>40</b>	<b>45</b>	<b>50</b>		
	1.5%	-	-		
	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.				

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

The finish can be applied either to the hardened waterproofing or the self-levelling mortar, as required.

### 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 sur-

faces.

Use the finish roller to apply an even layer of the mixed material (approx. 0.6 kg/m<sup>2</sup>). Avoid fluctuating layer thicknesses.

#### Finish design options:-

Increased slip resistant properties:- Top the freshly applied, still liquid finish with dry quartz sand (e.g. Sikalastic® Rapid Aggregate).

Particle sizes of between 0.2 and 0.6 mm or 0.7 and 1.2 mm can be used, depending on the desired roughness.

Vacuum off the loose sand once the finish has hardened and then apply a final coat of finish with a sheepskin roller to cover the entire area.  
For an enhanced appearance the first coat of finish can also be applied using a hard rubber blade and smoothed over with the finish roller (depending on the particle size of the topping approx. 0.60 – 0.80 kg/m<sup>2</sup>).

Finish design using Sika Liquid Plastics Paint Flakes:-  
Use a hopper gun to apply Sika Liquid Plastics Paint Flakes to the freshly applied finish while it is still wet.  
A maximum of 50 g/m<sup>2</sup> can be applied, depending on the look you want to achieve.

There should not be any excess chips (surface completely covered with chips) at any point. This could lead to reaction problems.

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 Pigmented Sealer in confined 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.

This document provides the most up to date information at the time of print, but is subject to change without notice and should not be used in isolation for pricing purposes. Please refer to Sika Liquid Plastics for project specific information and the latest advice.

## 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 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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### Product Data Sheet

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