

PRODUCT DATA SHEET

Sikalastic® Rapid Structured Coating RA

Two component, pigmented and filled PMMA-based coating

PRODUCT DESCRIPTION

Sikalastic® Rapid Structured Coating RA offers excellent abrasion-resistance and skid-inhibiting properties, and was developed specifically as heavy-duty surfacing and can be applied to asphalt substrates without a primer. The product is used as a prime surfacer, a topping layer and final course on external surfaces that are subject to heavy pedestrian traffic.

USES

- To create heavy duty, skid inhibiting walkways
- For new construction and refurbishment projects

CHARACTERISTICS / ADVANTAGES

- Maximum abrasion resistance
- Easy and fast application
- Cold applied
- Fast-curing
- Solvent-free
- Variable roughness
- Weather-resistant (UV-, hydrolysis- and alkali-resistant)

PRODUCT INFORMATION

Chemical Base	Two-component pigmented and filled Polymethylmethacrylate (PMMA) Resin and catalyst
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Packaging

SUMMER

Sikalastic® Rapid Structured Coating RA	15 Kg
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Sikalastic® Rapid Catalyst	2x0.1 Kg
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Total	15.20 Kg
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WINTER

Sikalastic® Rapid Structured Coating RA	15 Kg
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Sikalastic® Rapid Catalyst	4x0.1 Kg
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Total	15.40 Kg
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Please see Curing Details section for more information.

Shelf Life

Unopened products have a shelf life of at least 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	1.60 g/cm ³ (Density will vary from colour to colour)
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SYSTEM INFORMATION

System Structure	Preparation	Prior to priming all substrates must be clean dry and sound free from any oxidation, mould and any other deleterious materials.	
	Wearing Layer	Sikalastic® Rapid Structured Coating RA	0.6-0.9 kg/m ² (depending on desired texture)

APPLICATION INFORMATION

Ambient Air Temperature	Ambient Temperature -5 °C min. / +40 °C max.
Relative Air Humidity	The relative humidity must be ≤90%
Substrate Temperature	Substrate Temperature -10 °C min. / +35 °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 12 minutes

Drying time

Temperature	Catalyst	Rain Resistant	Trafficked / Overcoat	Full Cure
20°C	2%	30 minutes	45 minutes	2 hours

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)

-5	+3	5	10	15
3%	3%	2%	2%	1.5%
20	25	30	35	40
1.5%	1.5%	1%	1%	1%

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

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.

LIMITATIONS

Applications of Sikalastic® Rapid Structured Coating RA 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.

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 PREPARATION

Sikalastic® Rapid Structured Coating RA can be applied either to the hardened Sikalastic® Rapid Cementitious Primer or to the hardened Sikalastic® Rapid levelling Mortar, as required.

Primer is not required on asphalt surfaces.

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. Ideally the roller-applied coating should therefore be re-potted once before stirring again. 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:
Aluminium blade approx. 60cm or smoothing trowel

Surface treatment with a sheepskin roller

Use a smoothing trowel to spread the material evenly and smooth it over, using the particle size as a guide to layer thickness. To achieve the desired finish, go over the area with a sheepskin roller.

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. 10minutes). 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

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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