

## PRODUCT DATA SHEET

# Sikalastic® Rapid Primer Concrete MB

Moisture-blocking primer for mineral substrates in the Sikalastic® Rapid-722/ -722 Detail waterproofing and coating system.

## DESCRIPTION

Sikalastic® Rapid Primer Concrete MB is a water vapor impermeable, two-component, quick-curing Poly-methylmethacrylate primer.

## USES

Sikalastic® Rapid Primer Concrete MB may only be used by experienced professionals.

As a surface and detail application, Sikalastic® Rapid Primer Concrete MB is suitable for priming various prepared substrates:

- concrete
- screed
- mortar (plastic-modified: on-site adhesion and compatibility test recommended)

## FEATURES

- low temperature flexible
- very suitable for absorbent substrates
- solvent-free
- hydrolysis- and alkali- resistant

## PRODUCT INFORMATION

<b>Composition</b>	2-component Polymethylmethacrylat (PMMA)- based resin
<b>Packaging</b>	Sikalastic® Rapid Primer Concrete MB: 10 kg container Sikalastic® Rapid KATpowder: 4 x 0.1 kg bag For application in the substrate temperature range between +3°C and +5°C, additional Sikalastic® Rapid KATpowder must be used.
<b>Colour</b>	white
<b>Shelf life</b>	12 month from date of production if stored properly. Expiry date is printed on the product.
<b>Storage conditions</b>	Store Sikalastic® Rapid Primer Concrete MB in undamaged and unopened original packaging, cool, dry and frost-free.
<b>Density</b>	1.08 g/cm <sup>3</sup>
<b>Permeability to water vapour</b>	Sd > 50 m (Class III according to EN 1504-2)

## Mixing ratio

The containers must be divided for easy processing. We recommend a scale.

Substrate temperature in °C	+3 to +5	+10 to +20	+25 to +30	+35 to +50
Dosage Sikalastic® KATpowder in %:	6 %	4 %	2 %	1 %
Amount for 1 kg resin:	60 g	40 g	20 g	10 g

If the weather conditions change on site or the amounts of catalyst used vary, the reaction times will be shortened or extended accordingly.

## Consumption

at least 0.4 kg/m<sup>2</sup> up to approx. 0.8 kg/m<sup>2</sup>\*

\*Consumption quantities are optimized and not guaranteed. Actual consumption quantities depend on temperature, surface conditions, porosity and application technique.

## Ambient air temperature

at least +3°C, max. +35°C

## Relative air humidity

≤ 90 %

## Dew point

During application and curing the substrate temperature must be at least 3 K above the dew point temperature. Protect from condensation.

## Substrate temperature

at least +3°C, max +50°C

## Substrate moisture content

≤ 6 % for cement-bound substrates

## Pot Life

At substrate temperature +20°C and 4 % Sikalastic® KATpowder.

Application time: approx. 10 minutes (pot life)

Rainproof after: approx. 30 minutes

Can be overcoated after: approx. 30 minutes

Curing time: approx. 2 hours

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## ECOLOGY, HEALTH AND SAFETY

Before processing the products, the user must read the relevant, current safety data sheets (SDS). The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-relevant data.

## SUBSTRATE PREPARATION

Layers and contamination that are not sufficiently stable must be removed mechanically, e.g. can be removed by blasting, milling or grinding (diamond grinding cup). The processed surface must then be thoroughly cleaned, e.g. by sweeping or vacuuming. Defects or chippings must be leveled to a roughness depth of up to 5 mm on the primer Sikalastic® Rapid Primer Concrete MB that has hardened until it can be further coated using Sikalastic® Rapid Scratch Filler. Surface tensile strength for cement-bound substrates: at least 1.5 N/mm<sup>2</sup>

Compressive strength for cement-bound substrates: at least 25 N/mm<sup>2</sup>

Substrate moisture at ≤ 6% (mass%) measurement CM device

For further information on substrate preparation, please refer to the current version of the Sikalastic® installation instructions, section Sikalastic® Rapid-722/Detail.

## MIXING

Stir Sikalastic® Rapid Primer Concrete MB mechanically before mixing. Then apply the Sikalastic® Rapid KAT powder in the prescribed manner add mixing ratio. To prevent splashes or the liquid from spilling over, mix the components for a short time at low speed using an infinitely adjustable electric mixer. Then increase the stirring speed to a maximum of 300 rpm for intensive mixing. The mixing time depends on the material temperature and is only then completed if there is a homogeneous mixture and the hardener powder is completely broken down. The bottom and edge of the container must also be recorded. We recommend repotting and then thoroughly mixing for at least 1 minute. In general, explosion-proof machines and devices must be used.

Mixing time:

Material temperatures < 10°C up to 4 min.

Material temperatures > 10°C at least 2 min.

The introduction of air through excessively long mixing must be avoided.

## APPLICATION

Apply Sikalastic® Rapid Primer Concrete MB with a clean roller or brush in a crosshatch pattern until the substrate is completely saturated. For highly absorbent substrates the application may need to be repeated after the first coat of primer has hardened. Avoid material build-up.

## CLEANING OF EQUIPMENT

Clean tools immediately after use with Sikalastic® Rapid cleaner. Hardened material can only be removed mechanically.

## 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.

### Sika Deutschland CH AG & Co KG

Kornwestheimer Straße 103 - 107

D - 70439 Stuttgart

Tel.: +49 711 8009-0

Fax: +49 711 8009-321

info@de.sika.com

www.sika.de

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Sikalastic® Rapid Primer Concrete MB

January 2026, Version 01.01

02091540200000031

SikalasticRapidPrimerConcreteMB-en-DE-(01-2026)-1-1.pdf