

PRODUCT DATA SHEET

Sika® Primer MB Rapid

Solvent-free one-component PU primer

PRODUCT DESCRIPTION

Sika® Primer MB Rapid is a solvent-free 1-component PU primer which is suitable for use on substrates with high residual moisture and on floor heating systems. Sika® Primer MB Rapid solidifies the upper rim zone of screeds and adjusts the absorbency of subfloors. Sika® Primer MB Rapid is for interior and exterior use and provides a fast and safe solution for critical substrates.

USES

Sika® Primer MB Rapid is designed for:

One-coat application:

- As a primer to improve adhesion on smooth and sound substrates
- To improve adhesion on various old substrates
- As a protective membrane against moisture from auxiliary products on substrates sensitive to moisture
- To solidify the upper rim zone of screeds

Two-coat application:

- On moisture-resistant substrates with increased residual moisture

CHARACTERISTICS / ADVANTAGES

- One-component
- Easy to apply due to low viscosity
- Low consumption and high coverage
- Solvent-free
- Very low emissions
- Water-resistant
- Interior and exterior use
- Quick drying time
- Application visible because of pigmentation
- Good penetration
- Resistant to saponification
- Can be applied to a wide variety of substrates
- Suitable for use with underfloor heating
- Grip promoting
- Binds residual dust

ENVIRONMENTAL INFORMATION

- EMICODE EC1^{PLUS} R
- GISCOD RU1
- ISO 14025
- EN 15804

PRODUCT INFORMATION

Chemical Base	1-Component polyurethane
Packaging	5.5 kg plastic container
Colour	Yellow
Shelf Life	Sika® Primer MB Rapid has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage Conditions	Sika® Primer MB Rapid shall be stored in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.
Density	~1.10 kg/l

APPLICATION INFORMATION

Consumption	For single-layer application	~100–150 g/m ²
	For double-layer application	~200–250 g/m ²
When used as a primer for levelling products, after applying Sika® Primer MB Rapid, a single-layer application of Sikafloor-02 Primer is required to provide the key between Sika® Primer MB Rapid and the levelling product. Note: Consumption is related to the surface roughness. If sanding is planned, a third layer of Sika® Primer MB Rapid is necessary. Please contact Sika technical service for further information.		
Ambient Air Temperature	+15 °C to +35 °C, min. 3 °C above dew point temperature	
Relative Air Humidity	≥ 40 %	
Substrate Temperature	During the application and until Sika® Primer MB Rapid has fully cured, the substrate and ambient temperatures shall be:	
	without underfloor heating	+15 °C min. / +35 °C max.
	with underfloor heating	+20 °C min. / +35 °C max.
Substrate Moisture Content	Permissible substrate moisture content without underfloor heating:	
	▪ ≤ 4.5 % CM for cement screeds.	
	Permissible substrate moisture content for use with underfloor heating:	
	▪ ≤ 3.0 % CM for cement screeds.	
Curing Time	For to be used as a primer on substrates with increased residual moisture (two-coat application):	
	Minimum curing time prior to walking on / obtaining a tack-free surface / ready for the second coat	~40–50 min
	Minimum curing time prior to subsequent application of cement-based levelling compounds	~40–50 min
	Minimum curing time prior to subsequent application of calcium sulphate-based levelling compounds	~12 h
	When used as a primer for levelling products, after applying Sika® Primer MB Rapid, a single-layer application of Sikafloor-02 Primer is required to provide the key between Sika® Primer MB Rapid and the levelling product.	
	For to be used to improve adhesion (one-coat application):	
	Minimum curing time prior to wood floor bonding/sanding	~2–72 h
	Note: All values are approximate and apply to 20 °C and 65 % r.h. Humidity below 40 % and temperatures below 15 °C can slow down the curing time necessary before further processing is possible. Note: Curing speed is dependent on temperature, relative humidity, and substrate absorption. High temperature and low r.h. decrease curing time. Cured material becomes transparent.	

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.

FURTHER DOCUMENTS

- Safety Data Sheet

LIMITATIONS

- For professional use only.
- Sika® Primer MB Rapid is no substitute to a moisture protection for constructions according to standard.
- Do not use Sika® Primer MB Rapid on elastic coverings like PVC, cushioned vinyl, rubber or linoleum.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

Regulation (EC) No 1907/2006 (REACH) - Mandatory training

As from 24 August 2023 adequate training is required before industrial or professional use of this product. For more information and a link to the training visit

www.sika.com/pu-training.



APPLICATION INSTRUCTIONS

For the application of Sika® Primer MB Rapid all standard construction guidelines and relevant valid data sheets apply.

SUBSTRATE PREPARATION

- Sika® Primer MB Rapid is suitable for use on concrete, cement and rapid cement screeds, calcium sulphate based screeds, mastic asphalt screeds, old substrates such as ceramic tiles, natural stones and terrazzo, old substrates with old water-resistant adhesive residues, leftovers of water soluble adhesives and levelling compounds, dry screeds, wooden substrates and magnesit screeds.
- The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed.
- Adhesive residues must be removed so that less than 50 % of the surface area remains.
- Layers of water-soluble adhesives, e.g. sulphite-waste-adhesives, are to be mechanically removed. Remaining adhesive residues should be primed with Sika® Primer MB Rapid.
- Old, loose and weak levelling layers should be removed mechanically.
- Surface treatments or any "friable" areas of the sub-floor must be mechanically removed and the sub-floor repaired with Sika levelling compounds as required.
- Old water-resistant adhesives are to be mechanically removed as thoroughly as possible.
- Concrete and/or cement screeds must be ground and thoroughly cleaned with an industrial vacuum.
- Old floors, such as ceramic tiles are to be thoroughly cleaned and sanded.
- On fiber reinforced concrete any exposed fibers must be burnt off the surface.
- Rooms in buildings without a basement, are to be sealed against rising dampness in compliance with the standard.
- Preliminary bond strength testing is recommended.
- Contact Sika technical service for specific advice

CLEANING OF TOOLS

Clean all tools and application equipment immediately after use with Sika® Thinner C. Once cured, residual material can only be removed mechanically.

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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Product Data Sheet

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