

PRODUCT DATA SHEET

Sika® Primer MB Rapid

Solvent-free 1-Component PU Primer

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-layer applications:

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

Two-layer application:

- On moisture-resistant substrates with increased residual moisture

CHARACTERISTICS / ADVANTAGES

- 1-Component
- Easy to apply due to low viscosity
- Low consumption and high coverage
- Solvent-free
- Very low emission
- 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

SUSTAINABILITY

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

PRODUCT INFORMATION

Composition	1-Component polyurethane
Packaging	5,5 kg plastic canister
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.
Colour	Yellow
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
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 % r.h.	
Substrate temperature	During laying 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: <ul style="list-style-type: none">▪ ≤ 85 % RH (residual building moisture). Permissible substrate moisture content for use with underfloor heating: <ul style="list-style-type: none">▪ ≤ 65 % RH (residual building moisture).	
Curing time	Minimum curing time prior to walking on / obtaining a tack-free surface	~40–50 min
	Minimum curing time prior to wood floor bonding / broad cast	~2 h
	Minimum curing time prior to subsequent application of calcium sulphate based levelling compounds	~12 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 absorption of substrates. High temperature and low r.h. decrease curing time. Cured material becomes transparent.	

BASIS OF PRODUCT DATA

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 INFORMATION

- Safety Data Sheet

IMPORTANT CONSIDERATIONS

- 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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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 re-

moved mechanically.

- Surface treatments or any "friable" areas of the sub-floor must be mechanically removed and the sub-floor repaired with Sik's 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

APPLICATION

Sika® Primer MB Rapid must be stirred or shaken before use. Apply Sika® Primer MB Rapid evenly and undiluted while avoiding puddles. Apply the second coat (moisture barrier) as a cross-coat. Application of too much material per layer leads to skin and bubble formation as well as to a delayed drying. Use a paint roller gold thread 18 mm or comparable roller for application, and take care to apply an even, thin film. For further processing after more than 72 hours, Sika® Primer MB Rapid must be sanded (e.g. using a black pad).

For direct gluing of parquet, allow a drying time of at least 2 hours after applying the last coat.

CLEANING OF EQUIPMENT

Clean all tools and application equipment immediately after use with Sika® Remover-208. Once cured, residual material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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