

(Template for local translation, only for internal use)

Sika® Primer MB (Provisional)

Primer and Moisture Regulator for Wood Floor Bonding with SikaBond® Adhesives on critical Substrates

Construction

Product Description

Sika® Primer MB is a 2-component, solvent free, low viscosity, epoxy resin primer.

Uses

Sika® Primer MB in conjunction with SikaBond® Wood Floor Adhesives is used as:

- Moisture regulator:
For cementitious substrates with a moisture content up to 4%
- Substrate consolidator:
On concrete, cement, anhydrite screed and old substrates
- Adhesion promoter:
For broadcasted mastic asphalt and old adhesive residues

Characteristics / Advantages

- Solvent free
- Easy to apply
- Shorter construction periods
- Good penetration and stabilisation of the substrate
- Reduction of adhesive consumption
- No broadcasting of the primer necessary
- Suitable on old substrates, when prepared appropriately
- Suitable for subfloor heating
- Low viscosity
- Compatible with SikaBond®-Systems for wood floors

Product Data

Form

Colours Bluish

Packaging 10 kg metal pails

Storage

Storage Conditions / Shelf-Life 24 months from date of production if stored properly in undamaged sealed containers, in dry conditions at temperatures between +10°C and +25°C.



Technical Data

Chemical Base 2-component epoxy

Density 1.1 kg/l

Curing Speed Minimum curing time, prior to walking on / wood floor bonding:

At +10°C	18 hours
At +20°C	12 hours
At +30°C	6 hours

When Sika® Primer MB is left for more than 36 hours, the surface must be thoroughly cleaned and checked for any damage before proceeding.

Service Temperature -40°C to +70°C

Mechanical Properties

Compressive Strength ~ 70 N/mm² (after 7 days, +23°C / 50% r.h.) (EN 196 part 1)

Shore D Hardness ~ 83 (after 7 days, +23°C / 50% r.h.) (DIN 53505)

System Information

Application Details

Consumption / Dosage *Concrete / cement screed and Anhydrite screed / anhydrite flowable screed:*
- 400-600 g/m² depending on absorbency of substrate

Broadcasted mastic asphalt:

- 250-350 g/m²

Substrate Quality

Substrate must be clean, even, free from dust, grease and oil. Cement skin and section that are not structurally sound must be removed.

Compressive strength > 8 N/mm²

Tensile Bond strength > 0.8 N/mm²

Adhesive residues regular distributed < 50% of surface (removed by grinding)

Preliminary strength test is recommended.

Standard construction rules as well as instructions of wood floor- and subfloor manufacturers must be complied with.

Substrate Preparation

Concrete / cement screed:

- Must be ground and thoroughly cleaned with industrial vacuum cleaner.

Anhydrite screed / Anhydrite flowable screed:

- Must be ground and thoroughly cleaned with industrial vacuum cleaner shortly before coating starts.

Mastic asphalt:

- Must be broadcasted in excess and cleaned with industrial vacuum cleaner.

On fibre reinforced concrete, plastic fibres should be flamed off the surface, prior to application of Sika® Primer MB as moisture regulator.

Please contact our Technical Service for a project-specific advice.

Application Conditions / Limits

Substrate Temperature During laying and until Sika® Primer MB has fully cured substrate temperature should be > +10°C and in case of floor heating < +30°C.
Application temperature of substrate must be minimum 3°C above the dew point!
For substrate temperatures the standard construction rules are relevant.

Air Temperature Room temperature should be > +10°C and < +30°C.
For ambient temperatures the standard construction rules are relevant.

Substrate Humidity Permissible substrate moisture content:

- 4% CM for cement screed (ca. 6% Tramex / Gravimetric weight percent)
- 0.5% CM for anhydrite screed
- 3-12% CM for magnesia flooring (proportion of organic components)

Permissible substrate moisture content in case o floor heating:

- 4% CM for cement screed (~ 6% Tramex / Gravimetric weight percent)
- 0.3% CM for anhydrite screed
- 3-12% CM for magnesia flooring (proportion of organic components)

For moisture content and quality of substrates the guidelines of wood floor manufacturer as well as standard construction rules must be observed.

Relative Air Humidity 85% max.

Application Instructions

Mixing

Mixing ratio:

	Comp. A	Comp. B
Parts by Weight	3	1
Parts by Volume	100	37

Add Component A to Component B in the correct ratio using an electric stirrer at a low speed (~ 300-400 rpm).

Mixing Time

A minimum mixing time of 3 minutes shall be observed; stirring shall continue until a homogeneous mix has been achieved. Fill mixed material into a clean container and mix again quickly.

Application Method / Tools

Apply Sika® Primer MB uniformly (crosswise) to the substrate using a nylon roller (medium cut 12-14mm), ensuring that a continuous coat is achieved over the entire surface (give a mirror finish).

If Sika® Primer MB is used as a moisture regulator as well as substrate consolidation, 2 coats are necessary.

A waiting time of minimum 8 hours and maximum 36 hours should be observed between applications of Sika® Primer MB.

Cleaning of Tools

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

Potlife (max. open time)

At +10°C	~ 60 minutes
At +20°C	~ 30 minutes
At +30°C	~ 15 minutes

Notes on Application / Limits	<p>When Sika Primer MB is left for more than 36 hours, the surface must be thoroughly cleaned and checked for any damage before proceeding.</p> <p>Wood floor installation in uninsulated areas, basements and ground without basement only with moisture regulator System Sikafloor® EpoCem and Sika® Primer MB. For detailed instructions consult the Product Data Sheets or contact our Technical Service.</p> <p>When used in conjunction with SikaBond® Wood Floor Adhesives, Sika® Primer MB don't be broadcasted with sand.</p>
Local restriction	<p>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 product uses.</p>
Health and Safety Information	<p>Please insert additional Standard Health and Safety Information in accordance with local laws which are not already stated in the safety data sheet. For questions contact your Ecology and Safety-Manager.</p>
Protective Measures	<p>To avoid rare allergic reactions, we recommend the use of butyl rubber / nitril rubber gloves. Change soiled work clothes and wash hands before breaks and after finishing work.</p> <p>Local regulations as well as health and safety advice on packaging labels must be observed.</p>
Important Notes	<p>Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities.</p> <p>Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the safety data sheet.</p>
Legal Notes	<p>It may be necessary to adapt this disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika Corporate Legal in Baar.</p> <p>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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.</p>



Sika Services AG
 Tüffenwies 16
 CH-8048 Zurich
 Switzerland

Phone +41 1 436 40 40
 Telefax +41 1 436 46 86
 www.sika.com

