

Sika Primer[®] MB

Primer and moisture barrier for timber flooring systems

Description	Sika Primer MB is a solvent free 2-component epoxy-based primer of low viscosity.
Uses	As an adhesion promoter, moisture barrier and substrate consolidator for timber flooring systems incorporating Sika Bond adhesives.
Advantages	<ul style="list-style-type: none">• Suitable for use on damp substrates with moisture contents above 5.5%• Solvent free.• Excellent penetration on cement based substrates.• Can be applied by brush or roller.• Economical.• Short waiting times before subsequent bonding.
Storage and Shelf Life	Stored in original sealed containers within the temperature range of +5°C to +35°C, this product will keep for a minimum of one (1) year.
Instructions for Use	
Surface Preparation	<p>Surfaces must be clean and free from all traces of loose materials, old coatings, curing membranes, release agents, laitance, oil and greases etc. Substrate compressive strength should be at least 25MPa and cohesive bond strength at least 1.5MPa.</p> <p>Structurally unsound layers and surface contaminants must be mechanically removed by abrasive blasting, blast tracking or grinding. Substrates heavily impregnated with oil must be cleaned by torching or suitable solvent cleaning methods. To check that all traces of oil have been completely removed, sprinkle a few drops of water over the surface. If all the water is quickly absorbed, the surface is sufficiently oil and grease free. If the water forms into globules that remain on the surface, further thorough treatment of the concrete is necessary.</p>
Moisture Content Measurement	<p>The moisture content should be measured in accordance with the Floor Coverings Standard, AS1884-1985. A method of testing concrete moisture is given in the appendix of this standard.</p> <p>When the moisture content of the concrete is found to be below 4%, the substrate is considered suitable for SikaBond products to be applied without a primer. When the moisture content of the concrete is found to be greater than 4%, Sika Primer MB must be used as a primer before using SikaBond adhesive products. It is recommended to always apply Sika Primer MB to slab on ground situations.</p> <p>When the moisture content of recently placed concrete is greater than the 6%, EpoCem 81 should be used as a temporary moisture barrier. Sika Primer-MB should then be used as a prime coat before applying SikaBond adhesive products. When priming with Sika Primer-MB, a continuous visible film of cured epoxy must be observed on the surface. The application rate will depend on the porosity of the substrate. In some cases a second coat of Sika Primer MB may be desirable. Older slabs indicating high moisture readings should be investigated to identify why the moisture content is high before proceeding.</p>
Mixing	<p>Mechanically mix components A and B using a electric drill in the correct ratio for 2 to 3 minutes at a low speed (300 to 450 rev/min) until a completely homogenous consistency is obtained.</p> <p>Do not attempt to manually mix Sika Primer MB as its curing properties will be affected.</p> <p>Always mix the full kit.</p> <p>Do not make up more material than can be comfortably applied within the potlife. Heat is generated during mixing as a result of exothermic reaction.</p>



Application

Apply with a brush or roller to achieve a continuous and even coverage. On damp surfaces work the material well into the substrate with a stiff brush. If necessary, apply two coats of Sika Primer MB to ensure full coverage.

Ensure priming/sealing coats are kept clean and free from dust, water, condensation (observe dewpoint), etc. prior to subsequent application of bonding adhesives. The primer should be allowed to cure for a minimum of 8 hours before applying SikaBond adhesives. If the adhesive is not applied within 48 hours of primer application, sand and re-apply Sika Primer MB.

Cleaning

Clean all tools and equipment immediately after use with Sika Thinner C. Once hardened, the material can only be removed mechanically. Wash soiled hands and skin thoroughly in hot soapy water.

Technical and Physical Data

Form	Low viscosity liquid			
Density	1.1 kg / litre			
Colour	Blue			
Mechanical Strength (7 days @ 20°C)	Compressive strength:	70MPa approx.		
	Flexural strength:	75MPa approx.		
	Adhesion to concrete:	>3.5 MPa approx. (<i>substrate failure</i>)		
Rate of Reaction		10°C	20°C	30°C
	Potlife	60 mins	30 mins	15mins
	Walkable	18 hours	12 hours	6 hours
Limits on application	Minimum air and substrate temperature:	+10°C		
	Maximum air and substrate temperature:	+30°C		
	Maximum Relative Humidity during cure:	80%		
Mix ratio	Part A : Part B = 3 : 1 (by mass) 2.7 : 1 (by volume)			
Consumption	10m ² to 15m ² per 4 kg kit (<i>depending on porosity and surface texture of the substrate</i>) A second coat may be required on highly absorbent substrates if a glass like even coat finish is not achieved.			
Temperature resistance	Maximum 60°C (cured)			
Packaging	Preportioned 4 kg kit:	Part A:	3 kg	
		Part B:	1 kg	
	16kg kit:	Part A:	12 kg	
		Part B:	4 kg	



Important Notes

- Prior to mixing store Parts A and B at between 10°C and 20°C in dry conditions.
- Minimum air and substrate temperature during application and cure period 5°C.
- For optimum penetration and adhesion substrates should be dry.
- It is recommended that ground floor slabs be coated with Sika Primer-MB regardless of moisture content at time of testing.

Handling Precautions

- Avoid contact with skin, eyes and avoid breathing it's vapour.
- Wear protective gloves when mixing or using.
- If poisoning occurs, contact a doctor or Poisons Information Centre.
- If swallowed, do NOT induce vomiting. Give a glass of water.
- If skin contact occurs, remove contaminated clothing and wash skin thoroughly.
- If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
- A full Material Safety Data Sheet is available from Sika on request.

Important Notification

The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 of our terms and conditions of sale. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.



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