



# Sika<sup>®</sup> Primer MB

## Epoxy Moisture Regulator and Pre-treatment Primer

### Technical Data Sheet

#### DESCRIPTION

**Sika Primer MB** is a two component solvent free, low viscosity epoxy primer.

#### USES

**Sika Primer MB** is used with **SikaBond<sup>®</sup>** wood floor adhesives to consolidate surfaces eg concrete, cement/anhydrite screeds, sand surfaced mastic asphalt and old substrates.

#### ADVANTAGES

- \* Stabilises substrate.
- \* Low viscosity.
- \* One coat application.
- \* Good penetration.
- \* Easy application.
- \* Solvent free.
- \* Short waiting times.
- \* Excellent bond strength.
- \* User friendly.

#### Technical Data (typical)

|  |  |        |        |
|--|--|--------|--------|
| <b>Colour:</b>   | Blue   |        |        |
| <b>Density (SG):</b>                                       | Approx 1.1 kg/litre  |        |        |
| <b>Volume solids:</b>                                      | Approx 100%  |        |        |
| <b>Application temperatures &amp; humidity conditions:</b> | +10°C min*, +30°C max<br>(Substrate and ambient)<br>RH 80% max |        |        |
| <b>Substrate M.C. &amp; RH:</b>                            | ≤4% by Wt or ≤75% RH<br>0.3% by wt for Anhydrite screeds       |        |        |
| <b>Additional application information:</b>                 | +10°C  | +20°C  | +30°C  |
| <b>Pot life:</b>   | 60 min   | 30 min | 15 min |
| <b>Waiting time before bonding:</b>                        | 24 hrs   | 12 hrs | 6 hrs  |
|  | min  |        |        |
|  | Ensure tack free before applying <b>SikaBond<sup>®</sup></b> . |        |        |
|  | All above values are approximate.                              |        |        |

## SURFACE PREPARATION

The substrate should be sound and of sufficient compressive strength for loading conditions.

The surfaces must be dry and free of all contaminants eg oils, grease, previously applied adhesives, bitumen membranes or layers, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve a textured surface, free of loose friable or reactive material and cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

Where surface preparation is unable to remove all applied material bonded to the substrate, either a localised trial should be carried out to ensure compatibility between the **Sika Primer MB** and the residual material, or the **Sikafloor® Resiplot** system used (refer to separate technical data sheet). **Sika Primer MB** then applied to encapsulate the mesh. When used in conjunction with the **Sikafloor Resiplot** system, note that the consumption of **Sika Primer MB** must be a minimum of 1.2kg/m<sup>2</sup>.

All dust, loose and friable material must be completely removed from all surfaces before application of the **Sika Primer MB** preferably by brush and vacuum.

Repairs to cementitious substrates should be carried out using an appropriate product from the **SikaDur®**, **Sikafloor®** or **SikaGard®** range of materials.

## MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

## APPLICATION

Prior to application, confirm substrate moisture content and RH.

Apply by roller or squeegee uniformly over the substrate.

## IMPORTANT CONSIDERATIONS

- \* Do not apply **Sika Primer MB** on substrates in which significant vapour pressure may occur.
- \* **Thinner C** is flammable. NO NAKED FLAMES.
- \* Always ensure good ventilation when using **Sika Primer MB** in a confined space.
- \* Freshly applied **Sika Primer MB** should be protected from damp, condensation and water for at least 24 hours.
- \* **Sika Primer MB** should not be used on substrates where existing bitumen/tar based membranes, layers or adhesives are present.
- \* Where previous applied material remains following preparation and localised trials indicate compatibility, it should be noted that any such remnants may prejudice the performance of **Sika Primer MB** and subsequently applied products.
- \* Do not broadcast primer with sand or other materials.

## CLEANING EQUIPMENT

Use **Thinner C**. Hardened material may have to be mechanically removed.

## PACKAGING

Refer to latest price list

## CONSUMPTION

Approximately 0.4 - 0.6 kg/m<sup>2</sup> (0.35 - 0.55 l/m<sup>2</sup>). (These figures do not allow for surface porosity, profile or wastage).

## STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

### Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

### Important Note

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 Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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