

## Product Data Sheet

# Sikafloor®-94 Primer

## Low Viscosity, Solvent Free Epoxy-Primer



**Description** Two-component low viscosity primer, based on epoxy resin

**Uses**

As a primer and bonding agent on:

- Concrete, natural stone
- Cementitious renderings, mortar and asbestos cement
- Epoxy mortar

As a bonding agent for:

- Epoxy mortar screeds
- Epoxy self-levelling floor toppings
- Epoxy repair mortars

**Advantages**

- Good penetration
- Can also be used at low temperatures up to (+10°C)
- Excellent adhesive strength
- Easy to apply

### Technical Data

**Colour** Yellowish, transparent

**Mix ratio** Comp. A : B = 2 : 1 parts by volume and by weight

**Shelf life** Properly stored in original unopened containers at temperatures between +5°C and +30°C, at least 24 months.

**Packaging** 10 kg pre-measured units (A+B)

Comp. A: 20 kg pails  
180 / 200 kg drums

Comp. B: 10 kg pails  
180 kg drum

### Physical Data

**Density** 1.1 kg/l

| <b>Rate of reaction</b>               | 10°C         | 20°C         | 30°C        |
|---------------------------------------|--------------|--------------|-------------|
| <i>Pot life (1kg):</i>                | 45 - 70 min. | 15 - 20 min. | 8 - 12 min. |
| <i>Curing rate:</i>                   |              |              |             |
| - Overpaintable after                 | 15 hrs.      | 8 hrs.       | 5 hrs.      |
| - Can be walked on after              | 20 hrs.      | 10 hrs.      | 8 hrs.      |
| - Max. waiting time intermediate coat | 72 hrs.      | 48 hrs.      | 36 hrs.     |
| - Fully hardened after                | 10 days      | 7 days       | 5 days      |

|                                     |                              |  |
|-------------------------------------|------------------------------|--|
| <b>Mechanical strengths</b>         | · Compressive strength:      | ~ 70 N/mm <sup>2</sup>                         |
|                                     | · Flexural tensile strength: | ~ 50 N/mm <sup>2</sup>                         |
|                                     | · Tensile strength:          | ~ 40 N/mm <sup>2</sup>                         |
|                                     | · Elongation at break:       | ~ 5 %  |
| <b>Bond strength</b><br>(DIN 53232) | To concrete:                 | approx. 3 N/mm <sup>2</sup> (concrete failure) |
|                                     | To steel (sandblasted):      | approx. 12 N/mm <sup>2</sup>                   |

## Application

|                              |  |  |
|------------------------------|--|--|
| <b>Limitations</b>           | - Minimum age of concrete:   | 3 - 6 weeks, depending on climate                              |
|                              | - Maximum ambient and substrate temperature:   | +30°C  |
|                              | - Minimum ambient and substrate temperature:   | +10°C  |
|                              | - Maximum relative humidity:   | 85 %.  |
|                              | - Observe dewpoint   |  |
|                              | - Moisture content of substrate:   | < 4% (or use EpoCem)   |
| <b>Coverage</b>              | One primer coat:   | 0.2 - 0.3 kg/m <sup>2</sup> , depending on substrate condition |
|                              | Two primer coats<br>(very porous substrates):  | 0.4 - 0.6 kg/m <sup>2</sup> total consumption                  |
| <b>Substrate</b>             | Dry, clean, free of oil, grease, laitance or any loose particles.  |  |
| <b>Substrate preparation</b> | All laitance and structurally unsound layers must be removed mechanically, e.g. shotblasting, cutting. Vacuum cleaning is necessary. Adhesive tensile strength at least 1,5 N/mm <sup>2</sup> .  |  |
| <b>Mixing</b>                | Pre-dose Comp. A into clean vessel. Add Comp. B in correct proportion and mix mechanically for at least 3 mins. After mixing, allow material to stand for 2 mins. to allow entrained air to escape. Mix only as much material as can be used within potlife. |  |
| <b>Application</b>           | Pour properly prepared material onto substrate and evenly distribute using roller or brush.  |  |
| <b>Cleaning</b>              | Clean all tools and equipment immediately after use with Colma-Cleaner. Once hardened material can only be removed mechanically. Wash soiled hands and skin thoroughly with soap water.  |  |

## Safety Instructions

|                           |   |   |
|---------------------------|---|---|
| <b>Safety precautions</b> | This product can cause skin irritation to persons with sensitive skin. Always rub barrier cream into hands and exposed skin before starting work. Wear protective clothing (gloves and goggles). If accidentally splashed into eyes, nose, mouth or throat, flush immediately with plenty of clean, warm water and seek medical attention without delay. When working indoors or in confined spaces e.g. factories, warehouses, pits, shafts, etc. it is essential to provide adequate ventilation during application and drying. |   |
| <b>Ecology</b>            | In a liquid state Sikafloor-94 can contaminate water. Do not dispose of into water or soil but according to local regulations.  |   |
| <b>Toxicity</b>           | Comp. A:  | Class 4 under the relevant Swiss Health and Safety Codes. |
|                           | Comp. B:  | Class 4.  |
| <b>Transport</b>          | Comp. A:  | Non-hazardous.  |
|                           | Comp. B:  | 8/66 c)   |

### In case of doubt, always follow the directions given on the pack or label.

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.



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