

PRODUCT DATA SHEET

Sikadur[®]-188 Rapid

2-part epoxy primer, solvent free, fast curing

DESCRIPTION

Sikadur[®]-188 Rapid is a fast curing, two part, transparent and solvent free epoxy primer with excellent surface penetration properties.

USES

Sikadur[®]-188 Rapid may only be used by experienced professionals.

- As fast curing primer and scratch coat for the use underneath torched bitumen sheet membranes and spray applied liquid membranes in bridge deck waterproofing systems
- As a fast curing primer in industrial and decorative flooring systems

CHARACTERISTICS / ADVANTAGES

- Fast curing
- Solvent free
- Low VOC content and emission
- Excellent substrate penetration
- Excellent adhesion to concrete
- Easy to apply
- Multi-purpose system
- Transparent

PRODUCT INFORMATION

| | | |
|----------------------|---------------------------|-----------------------------------|
| Chemical base | epoxy resin, solvent free | |
| Packaging | Comp. A | 24 kg |
| | Comp. B | 6 kg |
| Shelf life | Part A | 24 months from date of production |
| | Part B | 24 months from date of production |

| | | | |
|--------------------------------|--|------------------------|-------------------------|
| Storage conditions | The product must be stored properly in closed, sealed undamaged and original packaging, in dry conditions, at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost. | | |
| Colour | transparent | | |
| Density | Part A | 1.14 g/cm ³ | (EN ISO 2811-1:2011-06) |
| | Part B | 1.00 g/cm ³ | |
| Solid content by weight | ~100 % | | |
| Viscosity | Part A | ~562 mPa·s | (EN ISO 3219:1994-10) |
| | Part B | ~45 mPa·s | |

TECHNICAL INFORMATION

| | | |
|----------------------------------|-------------------------------------|------------|
| Tensile adhesion strength | > 1.5 N/mm ² to concrete | (ISO 4624) |
|----------------------------------|-------------------------------------|------------|

APPLICATION INFORMATION

| | | | |
|-----------------------------------|--|--------------------------|--------------------------|
| Mixing ratio | Part A : Part B = 4 : 1 (by weight) | | |
| Consumption | ~0.45 kg/m ² per layer | | |
| Ambient air temperature | +5 °C min. / +40 °C max. | | |
| Relative air humidity | 80 % max. | | |
| Dew point | Beware of condensation. The substrate must be at least +3 °C above dew point to reduce the risk of condensation and to avoid blushing. | | |
| Substrate temperature | +5 °C min. / +40 °C max. | | |
| Substrate moisture content | ≤ 4 % according to CM-Method or Oven-dry Method ≤ 6 % according to Sika Tramex Meter No rising moisture according to ASTM (polyethylene sheet) | | |
| Pot life | Temperature | Pot Life | |
| | +10 °C | ~30 min | |
| | +20 °C | ~20 min | |
| | +30 °C | ~10 min | |
| Waiting time / Overcoating | Temperature | Min. waiting time | Max. waiting time |
| | +10 °C | ~12 h | ~48 h |
| | +20 °C | ~6 h | ~24 h |
| | +30 °C | ~3 h | ~16 h |

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.

IMPORTANT CONSIDERATIONS

- Do not apply Sikadur®-188 Rapid on moist substrates.
- Freshly applied Sikadur®-188 Rapid shall be protected from damp, condensation and water for at least 12 hours at +20 °C.
- If heating is required do not use gas, oil, paraffin or other fossil heaters. These produce large quantities of CO₂ and H₂O vapour, which may influence curing

and cause blooming. For heating only use electric powered warm air blowing system.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

Prior to mixing stir part A. When all of part B has been added mix continuously for min. 3 minutes until a uniform mix is achieved. Use low speed electrical stirrer (300-400 rpm) to avoid the entrapment of air. To ensure proper mixing pour material into a clean container and stir again.

At temperatures above +25 °C it is recommended to divide the mixture in min. 2 containers.

APPLICATION

Apply by brush or roller.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened or cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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Product Data Sheet

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