

PRODUCT DATA SHEET

Sikadur[®]-188 Normal

2-PART EPOXY PRIMER, SOLVENT FREE

DESCRIPTION

Sikadur[®]-188 Normal is a two part transparent epoxy resin with low viscosity. "Total solid composition according test method Deutsche Bauchemie e.V. (German association for construction chemicals)"

USES

Sikadur[®]-188 Normal may only be used by experienced professionals.
Sikadur[®]-188 Normal is used as primer and scratch coat for the use underneath liquid applied bridge deck waterproofing systems and torched bituminous sheets.

CHARACTERISTICS / ADVANTAGES

- Solvent free
- Low VOC emission
- Low viscosity
- Good substrate penetration
- Excellent adhesion to concrete
- Easy to apply
- Multi purpose resin
- Transparent

ENVIRONMENTAL INFORMATION

USGBC, LEED Rating
Sikadur[®]-188 Normal conforms to the requirements of LEED EQ Credit 4.2: Low emitting materials: Paints and Coatings; EPA reference Test Method 24 VOC Content < 100g/l

APPROVALS / STANDARDS

- Coating for concrete protection according the requirements of EN 1504-2/2004, DoP 0208010200300000101029, certified by FPC Notified Body and provided with CE-Marking
- Hartl Ges.m.b.H., test report 2-26903", Initial testing of the epoxy primer Sikadur-188 Normal according RVS 15.03.11:2003
- Technical University of Graz, test report 79.315/11, Initial testing of Siakdur-188 according RVS 15.03.11:2003
- Technical University of Graz, test report 79.320/11v, 79.320/11w and 79320/11x, compatibility to 3 different torched bitumen membranes, according EN 14695
- Technical University of Graz, test report 79.625-4, Liquid applied bridge deck waterproofing system with Sikalastic-851 according ETAG 033

PRODUCT INFORMATION

Packaging	Part A: 24 kg drum / 200 kg drum Part B: 6 kg drum / 50 kg drum
Shelf Life	Part A: 24 month Part B: 24 month
Storage Conditions	Store properly in closed, sealed and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Protect from direct sunlight.

Density	Part A: 1.1 kg/l
	Part B: 1.0 kg/l
	Mixed resin: 1.1 kg/m ²
	All density values at +23 °C

TECHNICAL INFORMATION

Tensile Adhesion Strength	> 1.5 N/mm ²	to concrete	(ISO 4624)
Chemical Resistance	Short term resistant to hydro carbons, water and solutions of salts		

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 4 : 1 by weight			
Ambient Air Temperature	+5 °C min. / +40 °C max.			
Relative Air Humidity	≤ 80 %			
Dew Point	Beware of condensation, the substrate must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish			
Substrate Temperature	+5 °C min. / +40 °C max.			
Substrate Moisture Content	≤ 4 % moisture content Test method: Sika Tramex Meter, CM measurement or Oven Dry Method No rising moisture according to ASTM (polyethylene sheet)			
Pot Life	Temperature	+10 °C	+20 °C	+30 °C
	Pot life	~60 min	~30 min	~15 min
Curing Time	Temperature	+10 °C	+20 °C	+30 °C
	min. overcoating time	24 hours	12 hours	6 hours
	max. overcoating time	4 days	2 days	1 day

APPLICATION INSTRUCTIONS

MIXING

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

CLEANING OF TOOLS

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

IMPORTANT CONSIDERATIONS

- Do not apply Sikadur®-188 Normal on moist substrates
- Freshly applied Sikadur®-188 Normal shall be protected from damp, condensation and water for at least 24 hours
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of CO₂ and H₂O vapour, which may adversely affect the finish. For heating only use electric powered warm air blowing systems.

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.

LOCAL RESTRICTIONS

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 application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA/j type sb) is 500 g/l for ready to use product. The maximum content of Sikadur®-188 Normal is <500 g/l VOC for the

ready to use product.

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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