

PRODUCT DATA SHEET

Sikadur® PF

EPOXY RESIN PORE SEALING AND SMOOTHING PUTTY

DESCRIPTION

Sikadur® -PF is a solvent-free, thixotropic, two component, adhesive and fine pore sealing and smoothing repair Putty, based on a combination of epoxy resins and specially selected high strength fillers.

USES

Sikadur® PF may only be used by experienced professionals.

Sikadur® -PF can be used as follows:

- Adhesive levelling and smoothing putty for concrete, stone, ceramics, mortar, renderings, steel, iron, aluminium, wood, woodchip boards, polyester, epoxy and glass.
- Concrete minor repairs.
- As structural adhesive for precast concrete segments, columns, curb-stones etc.
- Crack and surface sealing.
- Fixing Tiles
- Filling Tile Joints

PRODUCT INFORMATION

Packaging	1 Kg, 5 Kg and 10 kg units (A+B)
Shelf Life	24 months from date of production if stored properly in original unopened packing.
Storage Conditions	Store in shade, under normal weather temperature and in dry conditions.
Colour	Grey (Comp. (A): white, Comp. (B): black).
Density	Density (at 25°C) Comp. (A) = 1.7 ± 0.05 kg/l. Comp. (B) = 1.7 ± 0.05 kg/l.

CHARACTERISTICS / ADVANTAGES

Sikadur® -PF is an extremely versatile product that offers many advantages to the user:

- Easy to apply.
- Suitable for both, dry and damp surfaces.
- Non-sag product, even at high temperatures.
- Hardens without shrinkage.
- Excellent mechanical strengths.
- High early strength.
- High abrasion and impact resistance.
- Solvent free.

APPROVALS / STANDARDS

Sikadur -PF has been tested as per SCAQMD Method 304-91.

Result: VOC Content < 10 g/L

SYSTEM INFORMATION

System Structure	Solid Content	100%
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TECHNICAL INFORMATION

Shore D Hardness	70-80	(ASTM D-2240)
	Full Hardness (at 25 °C)	7 days
Modulus of Elasticity in Shear	4'300 N/mm ² (Static)	
Coefficient of Thermal Expansion	50 x 10 ⁻⁶ per C (temp. range: -20°C to +40°C).	

APPLICATION INFORMATION

Mixing Ratio	Comp. (A) : Comp. (B) = 2 : 1 by weight and volume.
Pot Life	(at 25 °C) 45 min.
Open Time	45 – 60 min.

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.

LIMITATIONS

When working at a higher temperature than recommended, the pot life will be shortened. Similarly when working at lower temperatures, the material will become more difficult to apply and takes longer to harden. When applying to damp concrete, work well into substrates.

When the working temperature will be above 45°C, please consult our Technical Service.

ECOLOGY, HEALTH AND SAFETY

Ecology

- In paste state components (A+B) contaminate water. Do not dispose of into water or soil but according to local regulations.

Transport

- Comp. A: Non-hazardous.
- Comp. B: All types: 8/65 C.

Safety precautions

- Product may cause skin irritations. Wear gloves and goggles. If the material is accidentally splashed into the eyes, flush immediately with plenty of warm water and seek medical attention without delay.

Toxicity

- Class 4, under the relevant health and safety codes. Observe warnings on packing.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surface preparation

All surfaces must be clean, free from frost, standing water and all loosely adhering particles. Cement laitance must be removed. Concrete must be at least 3 - 6 weeks old, depending on climate, wire-brush, sand-or water-blasted or grind substrates.

MIXING

Mix components (A+B) together for at least 2 minutes with a mixing paddle attached to a slow speed electric drill (max. 600 R.P.M.) until the material becomes smooth in consistency and even grey colour of the mixture is obtained. Material in industrial packing must be stirred well before proportioning and mixing. Avoid aeration while mixing.

APPLICATION METHOD / TOOLS

1. Apply Sikadur®-PF with trowel or spatula to the surfaces.
2. On damp surfaces, ensure that the material is well rubbed in.
3. Max. layer thickness: 3 mm.

CLEANING OF TOOLS

- Clean all tools and equipment immediately after use with Colma-Cleaner.

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.

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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