

PRODUCT DATA SHEET

Sikadur® PF IN

EPOXY RESIN BASED PORE SEALING AND SMOOTHENING PUTTY

DESCRIPTION

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

USES

Sikadur® PF IN 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
- Crack and surface sealing
- Fixing tiles
- Filling tile joints

CHARACTERISTICS / ADVANTAGES

Sikadur® PF IN 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 strength
- High early strength
- High abrasion and impact resistance
- Solvent free

PRODUCT INFORMATION

Chemical Base	Epoxy resin with special fillers	
Packaging	Part A+B pre-batched	4.5 kg x 2 sets
	Part A	3 kg
	Part B	1.5 kg
Appearance / Colour	Part A+B mixed	Concrete grey
	Part A	White
	Part B	Black
Shelf Life	12 months from the date of production	
Storage Conditions	Stored properly in original unopened packing, under normal weather temperature and in dry conditions.	
Density	Part A+B mixed	1.5 ± 0.2 kg/L
	Part A	1.5 ± 0.05 kg/L
	Part B	1.4 ± 0.05 kg/L
All density values at +30 °C		

Solid content by weight ~100%

TECHNICAL INFORMATION

Compressive Strength	1 day	≥ 40 MPa	(ASTM C579)
	7 days	≥ 55 MPa	
Curing Temperature +30 °C			
Tensile Adhesion Strength	≥ 4 MPa (concrete failure) after 7 days at +30 °C		(EN 1542)
Shear Adhesion	Concrete failure		

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 2 : 1 by weight		
Consumption	1.5 kg/m ² per mm thickness		
Layer Thickness	Minimum layer thickness	1 mm	
	Maximum layer thickness	3 mm	
Ambient Air Temperature	+10 °C min. / +35 °C max.		
Substrate Temperature	+10 °C min. / +35 °C max.		
Pot Life	~50 minutes at +30 °C		
Setting Time	50–60 minutes at +30 °C		
Waiting Time / Overcoating	Drying time at +30 °C	~4 hours	
	Overcoating time at +30 °C	~24 hours	
	Full cure at +30 °C	~7 days	

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

All surfaces must be clean, free from frost, standing water and all loosely adhering particles. Cement laitance must be removed. New concrete must be at least 3–6 weeks old. Surface must be prepared by wire brush, sand or water blasted or grinded before application.

MIXING

Mix part A+B together for at least 2 minutes with a mixing paddle attached to a slow speed electric drill (max. 400 rpm) until the material becomes smooth in consistency and even grey colour of the mixture is obtained. Avoid aeration while mixing.

APPLICATION

After thorough surface preparation, place the prepared mix in void and work with a trowel or spatula to fill the pore. Strike off excess material by scrapping. On poor concrete surfaces, the Sikadur® PF IN may be applied upto 3 mm thick. On damp surfaces, the material must be well rubbed so as to fully seal the pores. Ensure a good finish, and remove hardened material mechanically.

CLEANING OF TOOLS

Clean all tools and equipment immediately after use with Sika® Colma Cleaner. Cured material can only be removed mechanically.

FURTHER DOCUMENTS

Shore D hardness at +30 °C: ~70 (ASTM D2240)

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 Sika Technical Service.

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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.

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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