

PRODUCT DATA SHEET

Sikafloor® PS

Epoxy Resin Pore Sealing and Smoothing Putty

DESCRIPTION

Sikafloor® PS is a solvent-free, thixotropic, two component, epoxy resin based putty for minor repairs on concrete surfaces.
Suitable for use in hot and tropical climatic conditions.

USES

Sikafloor® PS may only be used by experienced professionals.

Sikafloor® PS can be used in following situations:

- Concrete minor repairs such as honeycombing, blow holes, pin holes, etc.
- General smoothing / re-profiling over large areas
- Suitable for feather edge
- Filling pinholes prior to over coating with Sikafloor®, Sikadur® and Sikagard® product range
- Filling cracks and surface sealing

CHARACTERISTICS / ADVANTAGES

Sikafloor® PS is an extremely versatile product that offers many advantages to the user:

- Easy to apply
- Suitable for dry and damp surfaces
- Cost effective; consumption of subsequent coatings is reduced
- Non-shrink
- Excellent mechanical strengths
- Excellent adhesion to concrete substrates
- High abrasion and impact resistance
- High chemical resistance
- Solvent free

PRODUCT INFORMATION

Composition	Epoxy resin
Packaging	Part A: 4 kg and 16 kg container Part B: 2 kg and 8 kg container (A + B) 6 kg and 24 kg ready to mix units
Appearance / Colour	Grey (Mixed A + B) Component A: White Component B: Black
Shelf life	24 months from date of production
Storage conditions	Store in cool and dry conditions in unopened, undamaged and sealed original packaging at temperatures between +5 °C and +35 °C protected from direct sunlight, heat and moisture.
Density	~1.75 kg/l (mixed resin)
Solid content	100 %

Compressive strength	25° C	1 Day	7 Days	14 Days	(ASTM C 579)
		≥ 35 N/mm ²	≥ 46 N/mm ²	≥ 50 N/mm ²	
Tensile adhesion strength	≥ 1.5 N/mm ² (7 d)				

APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 2 : 1 by weight
Consumption	~ 1.75 kg / m ² / mm This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level or wastage etc.
Layer thickness	Maximum 3 mm in one single layer.
Ambient air temperature	+5° C min. / +45° C max.
Dew point	Beware of condensation! The substrate temperature must be at least 3 ° C above dew point.
Substrate temperature	+5° C min. / +45° C max.
Pot Life	~45 min. (+25 °C)* *200 g The potlife begins when the resin and hardener are mixed. It is shorter at high temperatures and longer at low temperatures. The greater the quantity mixed, the shorter the potlife. To obtain longer workability at high temperatures, the mixed adhesive may be divided into portions. Another method is to chill components A and B before mixing them (not below +5 °C).
Curing time	Sikafloor® PS can be over coated with various Sikafloor®, Sikadur® and Sikagard® resins after 12 hours and not later than 24 hours at 30 °C. Sikafloor® PS is fully cured after 7 days. For more details please contact Sika Technical Department.

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

When applying to damp concrete (no standing/running water) work the material well into the substrate.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

- The substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm²
- The substrate must be clean and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically

using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface

- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum

MIXING

Mix components (A and B) together for at least 3 minutes with a mixing paddle attached to a slow speed electric drill (maximum 400 rpm) until the material becomes smooth in consistency and an even grey colour of the mixture is obtained. Material in industrial packing must be stirred well before proportioning and mixing. Avoid aeration while mixing. Sikafloor® PS is supplied ready for use and only has to be thoroughly stirred.

APPLICATION

Sikafloor® PS has easy workability and can be applied by trowel, scraper, or spatula.

CLEANING OF EQUIPMENT

Clean all equipment and tools with Sika® Colma Cleaner immediately after use. Hardened / cured material

can only be removed by mechanical means.

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.

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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