



BUILDING TRUST



PRODUCT DATA SHEET

Sikafloor[®]-286

Epoxy resin based putty for smoothing coving, thin patch repairs, cracks and joint filling
(Formerly FLORSEAL C)

DESCRIPTION

Sikafloor[®]-286 is a three components system based on epoxy resin with high mechanical strength and used to smoothen coving, joint filling and crack filling on concrete floors. The cured composition is tough, non-dusting and has excellent adhesion to variety of substrates including concrete.

USES

Sikafloor[®]-286 may only be used by experienced professionals.

Smooth putty for coving, detailing, repair, crack and joint filling for Sikafloor[®] Systems in application areas such as:

- Automobile industry
- Engineering industry
- Beverages and Foodstuff industry
- Textile and paper mills
- Precision engineering
- Electronics and Electrical industry
- Chemicals industry
- Warehouses, Garages and Aircraft hangers etc.
- Pharmaceutical industry

CHARACTERISTICS / ADVANTAGES

- Putty consistency
- Forms jointless coving
- Non dusting and easily cleanable
- Hygienic
- Very high mechanical strength
- Hard wearing
- Excellent adhesion to various substrates
- Faster curing
- Excellent resistance to chemicals
- Can be used as floor and wall crack filler

PRODUCT INFORMATION

Composition	Epoxy resin and selected fillers	
Packaging	Part A+B+C pre-batched	15 kg set
	Part A (Resin)	4.2 kg container
	Part B (Hardener)	1.8 kg container
	Part C (Filler)	9.0 kg bag
Shelf life	12 months from date of production	
Storage conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +10 °C and +30 °C.	

Appearance and colour	Part A (Resin)	Clear liquid
	Part A (Hardener)	Transparent liquid
	Part C (Filler)	White powder

SYSTEM INFORMATION

System structure	Layer	Product
	(Optional) Primer	Sikafloor-167 Primer / Sikafloor-161 HC
	Putty	Sikafloor®-286

Note: Generally, epoxy resin surfaces do not require a primer. Primer must be used for concrete surfaces. Please consult Sika technical Services for additional information.

APPLICATION INFORMATION

Mixing ratio	Part A : Part B : Part C = 4.2 : 1.8 : 9.0		
Consumption	0.2 kg/m (For 50 mm coving smoothing coat)		
Ambient air temperature	+10 °C min. / +35 °C max.		
Relative air humidity	80 % max.		
Dew point	Beware of condensation. The substrate and uncured floor must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the floor finish. Low temperatures and high humidity conditions increase the probability of blooming.		
Substrate temperature	+10 °C min. / +35 °C max.		
Substrate moisture content	≤ 4 % parts by weight The following test methods can be used: Sika®-Tramex meter, CM-measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).		
Pot Life	Temperature	Pot life	
	+20 °C	~20 min	
	+30 °C	~25 min	
Waiting time to overcoating	Before applying Sikafloor®-286 on 1st coat of Sikafloor®-286 allow:		
	Substrate temperature	Minimum	Maximum
	+20 °C	8 hours	2 days
	+30 °C	6 hours	2 days

Note: Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity

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.

FURTHER INFORMATION

- Sika Method Statement: Evaluation and preparation of surfaces for flooring systems
- Sika Method Statement: Mixing and application of flooring systems
- Sikafloor® cleaning concept

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

EQUIPMENT

MIXING EQUIPMENT

- Electric single paddle mixer (300 to 400 rpm)

APPLICATION EQUIPMENT

- Flat, round edge steel trowel
- Coving tool

SUBSTRATE QUALITY / PRE-TREATMENT

IMPORTANT

Incorrect treatment of cracks

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or grinding equipment to remove cement laitance and achieve an open textured surface gripping surface profile suitable for the product thickness.
- High spots can be removed by grinding. Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the Sikafloor®, Sikadur® and Sikagard® range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum extraction equipment.

MIXING

1. Mix Part A (resin) for 1 minute until a uniform colour is achieved.
2. Add Part B (hardener) to Part A.
3. After mixing for 2 minutes, gradually add Part C while you continue mixing for additional 1 minute.
4. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
5. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing. Mix full units only. Mixing time for A+B+C = ~4.0 minutes.
6. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

APPLICATION

IMPORTANT

Protect from moisture

After application, protect the Product from damp, condensation and direct water contact for at least 24

hours.

IMPORTANT

Temporary heating

If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish.

1. For heating, use only electric powered warm air blower systems.

IMPORTANT

Temporary moisture barrier

If the substrate moisture content measured with the CM-method is > 4 % by weight, apply a temporary moisture barrier consisting of Sikafloor® EpoCem®.

1. Contact Sika technical services for more information.

PRIMER APPLICATION

1. (Optional - for concrete surfaces) Pour mixed Sikafloor®-167 Primer / -161 HC onto the prepared substrate and apply by short-pile nylon roller until saturation of the substrate is achieved. Ensure a continuous, pore free coat covers the substrate. If necessary, apply two priming coats.

Note: Confirm waiting /overcoating time has been achieved before applying mixed Sikafloor®-286.

COVING PUTTY / PATCH REPAIR ON EPOXY RESINS

1. Apply the Sikafloor®-286 prepared surfaces with a flat or round trowel.

Note: A seamless finish can be achieved if a 'wet on wet' application is maintained.

CRACK / JOINT FILLING

1. Apply the Sikafloor®-286 onto the primed surfaces with a flat or round trowel.

CLEANING OF EQUIPMENT

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

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.

Product Data Sheet

Sikafloor®-286

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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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