

PRODUCT DATA SHEET

Sikafloor®-18 Pronto

2-part flexible pigmented seal coat for internal and external areas based on reactive acrylic resins

DESCRIPTION

Sikafloor®-18 Pronto is a two part, reactive, medium-viscosity, fast curing, flexible seal coat for elastic Sikafloor® car park systems.

USES

Sikafloor®-18 Pronto may only be used by experienced professionals.

The product is used as a seal coat for:

- Broadcast layers of the Sikafloor® Pronto Modular System
- Broadcast screeds prepared of e.g. Sikafloor®-81 EpoCem® or Sikafloor®-264 N, if broadcast to excess

CHARACTERISTICS / ADVANTAGES

- Can bridge cracks to a certain degree
- Good resistance to specific chemicals
- Good mechanical resistance
- Good resistance to UV exposure
- Solvent free
- Very fast curing even at low temperatures

APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 13813:2002 — Screed material and floor screeds — Synthetic resin screed material
- Migration Behaviour EN 1186, EN 13130, CEN/TS 14234, Sikafloor® Pronto, ISEGA, Certificate No. 51188 U 20

PRODUCT INFORMATION

Chemical Base	Reactive acrylic resins	
Packaging	Container Part A	25 kg, (25.5L)
	Container Part B	Sikafloor® Pronto Hardener: 25kg Bags
	Part C	Sika® Pronto Pigment: 25 kg Bags
Appearance / Colour	Part A	transparent, bluish liquid
	Part B	white, powder
	Part C	Sika® Pronto Pigment
Shelf Life	Part A	12 months from date of production
	Part B	12 months from date of production
	Part C	24 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 +5 °C and +30 °C. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.		
Density	Part A	~0.98 kg/l (+23 °C)	(DIN 51757)
Solid content by weight	~100 %		
Solid content by volume	~100 %		

TECHNICAL INFORMATION

Chemical Resistance	Resistant to many chemicals. Contact Sika technical service for specific information.	
Service Temperature	Short-term, maximum 1 hour	<+80 °C
	Permanent	<+50 °C
IMPORTANT		
Exposure to moist or wet heat		
Sikafloor® broadcast systems with a minimum thickness of ~3–4 mm, that use this product, can resist short-term moist or wet heat of up to +80 °C, if the exposure is only temporary (less than 1 hour). However, during exposure to moist or wet heat, do not also subject the Sikafloor® broadcast system to chemical and/or mechanical strain, as it may cause damage to the system.		

APPLICATION INFORMATION

Mixing Ratio	Part A : Part C = 9 : 1 (by weight)	
	The amount of Part B required depends on the substrate temperature:	
	Substrate temperature	% by weight (Sikafloor® Pronto Hardener)
	0 °C	6 %
	+10 °C	5 %
	+20 °C	2 %
	+30 °C	1 %
Note: For ease of handling, units may be split into smaller amounts. Make sure to follow the mixing ratios as described in the Application Information. Always weigh out each part before mixing it.		
Consumption	~0.5–0.8 kg/m ² (0.5-0.8L/m ²) depending on the system applied in 1 - 2 coats (total max. 0.8 kg/m ² (0.8L/m ²))	
	Note: These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.	
Product Temperature	Minimum	0 °C
	Maximum	+30 °C
Ambient Air Temperature	Minimum	0 °C
	Maximum	+30 °C
Relative Air Humidity	80 % r.h. max.	
Dew Point	Beware of condensation. The substrate and uncured applied product must be at least +3 °C above dew point to reduce the risk of condensation on the surface of the applied product.	

Substrate Temperature	Minimum	0 °C	
	Maximum	+30 °C	

Substrate Moisture Content	Substrate	Method method	Moisture content
	Cementitious substrates	Sika® Tramex moisture metre	≤ 4%
	Cementitious substrates	Calcium carbide method (CM-method)	≤ 4 %
	No rising moisture (ASTM D4263, polyethylene sheet)		

Pot Life	Product temperature		Time
	0 °C	~20 minutes	
	+10 °C	~20 minutes	
	+20 °C	~15 minutes	
	+30 °C	~8 minutes	
	Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.		

Waiting Time / Overcoating	Before overcoating the Product, allow:		
	Substrate temperature	Waiting time	
	0 °C	~50 minutes	
	+10 °C	~50 minutes	
	+20 °C	~40 minutes	
	+30 °C	~30 minutes	
	Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.		

Applied Product Ready for Use	Temperature	Foot traffic	Full cure
	0 °C	~50 minutes	~2 hours
	+10 °C	~50 minutes	~2 hours
	+20 °C	~40 minutes	~1 hours
	+30 °C	~30 minutes	~1 hours
	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 DOCUMENTS

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

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

IMPORTANT

Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

EQUIPMENT

APPLICATION EQUIPMENT

- Short pile roller
- Squeegee

MIXING EQUIPMENT

- Explosion-proof electric double paddle mixer (>700 W, 300 to 400 rpm)

SUBSTRATE QUALITY / PRE-TREATMENT

MECHANICAL SUBSTRATE PREPARATION

1. Use industrial vacuuming equipment to remove all dust, loose and friable material from the application surface before applying the Product.

MIXING

2-PART PIGMENTED

1. Mix Part A (resin) for ~30 seconds.
2. Pigment is added at 10% by weight. In a separate container, add 2.5kg (2.5L) of the pigment (Part C) to 2.5kg of resin (Part A), and mix until you've achieved a homogenous premix.
3. Add this premix into the remaining Part A and mix for 3 minutes.
4. Add the required amount of Part B (refer to Mixing ratio in Application information) to Part A.
5. Mix for an additional minute, until a uniform mix is achieved.
6. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
7. 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 a minimum of 1 hour.

IMPORTANT

Ventilation in confined spaces

Always ensure good ventilation when applying the Product in a confined space.

IMPORTANT

No application on rising moisture

Do not apply on substrates with rising moisture.

IMPORTANT

Ventilation for curing

For optimal curing, exchange the air at least seven times per hour. During application and curing, use a forced fresh air supply/exhausting of fumes with appropriate equipment (explosion-proof).

IMPORTANT

Remove foodstuff from application area

Reactive acrylic resins exhibit a characteristic odour during application and before achieving full cure. Once fully cured, they are taint free. All unpackaged goods must be removed from the area of the works during application.

- Do not apply in the presence of foodstuffs.
- Isolate any and all foodstuffs, whether packaged or not, from the flooring works during the application process and until the products are fully cured.

IMPORTANT

Excessive layer thickness may cause damage

If the coat thickness is exceeded (more than 0,8 kg/m²), the resin will tend to flake and yellow. If the coat thickness is too low, excessive monomer loss may occur, leading to insufficient hardness or lower water resistance.

- Make sure to follow the consumption as described in Application information.

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.

- For heating, use only explosion-proof electric powered warm air blower systems.

IMPORTANT

Ensuring consistent colour matching

For consistent colour matching, make sure the Product in each area is applied from the same batch numbers.

IMPORTANT

Pin holes

If applied on porous substrates during rising temperatures pin holes may occur from rising air.

- Apply during falling temperatures.

SEAL COAT FOR BROADCAST SURFACES

1. Pour the mixed Product onto the substrate. Note: The consumption is specified in Application Information.
2. Apply the Product evenly over the surface with a squeegee.
3. Back roll the surface in two directions at right angles with a fleece roller. Note: Maintain a "wet edge" during application to achieve a seamless finish.

CLEANING OF TOOLS

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

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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