

PRODUCT DATA SHEET

Sikafloor®-32 Pronto

2-part polyurethane modified methacrylate highly flexible resin for self-smoothing flooring systems

DESCRIPTION

Sikafloor®-32 Pronto is a 2-part polyurethane modified polymethyl-methacrylate fast curing, medium viscosity resin for Sikafloor® Pronto car park systems. Its high flexibility allows it to absorb substrate movements even at low temperatures, which ensures long-lasting crack bridging.

USES

Sikafloor®-32 Pronto may only be used by experienced professionals.

The Product is used as a:

- Main coat for the Sikafloor® Pronto Modular System

CHARACTERISTICS / ADVANTAGES

- High flexibility ensures long-lasting crack bridging
- Good resistance to specific chemicals
- Highly flexible
- Solvent free
- Very fast curing even at low temperatures
- Impermeable to liquids

APPROVALS / STANDARDS

- CE Marking and Declaration of Performance to EN 13813:2002 — Screed material and floor screeds — Synthetic resin screed material
- CE Marking and Declaration of Performance to EN 1504-2:2004 — Products and systems for the repair and protection of concrete structures — Part 2: Surface protection systems for concrete — Coating

PRODUCT INFORMATION

Chemical Base	polyurethane modified polymethyl-methacrylate resin	
Packaging	Container Part A	25 kg (25.2L)
	Container Part B	Sikafloor® Pronto Hardener: 25kg Bags
	Part C	Sika® Pronto Pigment: 25kg Packs
	Part D	Sikafloor® Pronto Filler: 25 kg packs
Appearance / Colour	Part A	transparent, liquid
	Part B	white powder
	Part C	Sika® Pronto Pigment: approx. 7032 other colours upon request
	Part D	Sikafloor® Pronto Filler: white, fine aggregates

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	
	Part D	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	~0.99 kg/l (+23 °C)	(DIN 51757)
Solid content by volume	~100 %		

TECHNICAL INFORMATION

Elongation at Break	Cured 14 days at -20 °C, tested at -20 °C	~165 % (unfilled resin)	(EN ISO 527-3)
	Cured 14 days at +23 °C, tested at +23 °C	~157 % (pigmented version), ~220 % (unfilled resin)	
Tensile Adhesion Strength	≥ 1.5 (1.0) N/mm ²		(EN 1542)
Crack Bridging Ability	Dynamic	B3.2 (-10 °C) up to 0.3mm	(EN 1062-7)
	Static	Class A4, 1.55 mm crack width (-20 °C)	
Chemical Resistance	Resistant to many chemicals. Contact Sika technical service for specific information.		
Service Temperature	Short-term, maximum 1 hour	+60 °C	
	Short-term, maximum 48 hours	+50 °C	
	Permanent	+40 °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 : Part D = 12.5 : 1 : 25 (by weight)	
	The amount of Hardener required depends on the substrate temperature:	
	Substrate temperature	% by weight (Sikafloor® Pronto Hardener)
	0 °C	6 %
	+10 °C	4 %
	+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~3-4 kg/m² (3-4L/m²) depending on the system applied

Note: Consumption data is theoretical and does 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	Test method
	Cementitious substrates	Sika® Tramex moisture metre
	Cementitious substrates	Calcium carbide method (CM-method)
	Moisture content	
		≤ 4 %
		≤ 4 %
	No rising moisture (ASTM D4263, polyethylene sheet)	
Pot Life	Product temperature	Time
	0 °C	~20 minutes
	+5 °C	~20 minutes
	+10 °C	~15 minutes
	+20 °C	~15 minutes
	+30 °C	~10 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	~80 minutes
	+10 °C	~60 minutes
	+20 °C	~45 minutes
	+30 °C	~10 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
	0 °C	~80 minutes
	+10 °C	~60 minutes
	+20 °C	~45 minutes
	+30 °C	~30 minutes
	Full cure	
		~3 hours
		~3 hours
		~2 hours
		~2 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

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

- Trowels, including serrated
- Spiked roller

MIXING EQUIPMENT

- Electric double paddle mixer (>700 W, 300 to 400 rpm)

SUBSTRATE QUALITY

SUBSTRATE CONDITION

Cementitious substrates (concrete / screed) must be structurally sound and of sufficient compressive strength (minimum 25 MPa) with a minimum tensile strength of 1.5 MPa.

Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

MIXING

SELF-SMOOTHING WEARING LAYER MIXING PROCEDURE

1. Mix Part A (resin) for ~30 seconds.
2. Add the required filler.
3. Mix for a further 2 minutes until a uniform mix is achieved.
4. Add Part B (hardener) to Part A.
5. Mix for an additional minute.
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 at least 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.

1. Do not apply in the presence of foodstuffs.
2. 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

Pin holes

If the Product is applied on porous substrates during rising temperatures, pin holes may form from rising air.

1. Apply the Product during falling temperatures.

REINFORCED SELF-SMOOTHING WEARING LAYER APPLICATION

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 serrated trowel.
3. Back roll the surface in two directions at right angles with a spike roller.
Note: A seamless finish can be achieved if a "wet" edge is maintained during application.
4. Roll out the reinforcement (Sika® Reemat Premium) onto the wet resin. Allow a minimum 50 mm overlap on all joints of the reinforcement fleece.
5. Press the reinforcement firmly into the wet resin with a short pile roller.
6. To ensure full saturation of the reinforcement, apply wet on wet an encapsulation layer of the Product with a short pile roller.

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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