BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-14 Pronto

2-part binder for self-smoothing screed and levelling mortars based on reactive acrylic resins

DESCRIPTION

Sikafloor®-14 Pronto is a two part, reactive, medium-viscosity, fast curing slightly elasticized binder for self-smoothing Sikafloor® Pronto systems. The Product can be broadcast with coloured quartz sand or coloured flakes to create decorative surfaces.

USES

Sikafloor®-14 Pronto may only be used by experienced professionals.

The Product is used as a:
- Main coat for the Sikafloor® Pronto Modular System

CHARACTERISTICS / ADVANTAGES

- Good resistance to chemicals
- High mechanical resistance
- 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
	Container Part B	Sikafloor® Pronto Hardener: 25kg bags
	Part C	Sika® Pronto Pigment: 25 kg packs
	Part D	Sikafloor® Pronto Filler: 25 kg packs
Appearance / Colour	Part A	transparent, bluish 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	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 +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 weight	~100 %		
Solid content by volume	~100 %		

TECHNICAL INFORMATION

Shore D Hardness	Cured 7 days at +23 °C	62	(EN ISO 868)
Compressive Strength	Cured 14 days at +23 °C	~40 MPa (Resin filled)	(EN 13892-2)
Flexural Strength	Cured 14 days at +23 °C	~25 MPa (Resin filled)	(EN 13892-2)
Tensile Adhesion Strength	≥ 1.5 MPa		(EN 1542)

Chemical Resistance

Resistant to many chemicals. Contact Sika technical service for specific information.

Service Temperature

Short-term, maximum 1 hour	+80 °C
Short-term, maximum 48 hours	+60 °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 : Part D = 12.5 : 1 : 25 (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	4 %
+20 °C	3 %
+30 °C	2 %

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 depending on the system applied

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	~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	~30 minutes

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
- Trowels, including serrated
- Spiked roller

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

SUBSTRATE QUALITY / PRE-TREATMENT

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. If required, add Part C (pigment) to the mixture while continuously mixing.
4. Mix for a further 2 minutes until a uniform mix is achieved.
5. Add Part B (hardener) to Part A.
6. Mix for an additional minute.
7. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
8. 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.

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

- Apply during falling temperatures.

SELF-SMOOTHING BROADCAST WEARING LAYER APPLICATION

1. Pour the mixed Product onto the substrate.
   Note: The consumption is specified in Application Information.
2. Apply the Product with one of the tools specified in Equipment.
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. Broadcast the surface with quartz sand or silicon carbide, lightly at first, then to excess.
   Note: The aggregate is dependant on the system build-up. Refer to the relevant System Data Sheet.

SELF-SMOOTHING DECORATIVE WEARING LAYER APPLICATION

1. Pour the mixed Product onto the substrate.
   Note: The consumption is specified in Application Information.
2. Apply the Product with one of the tools specified in Equipment.
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. Broadcast the surface with coloured flakes.
   Note: Refer to the relevant system data sheet for information on consumption.

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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