

SYSTEM DATA SHEET

Sikafloor® Pronto RS-34

SMOOTH, FAST CURING DECORATIVE FLOORING SYSTEM

PRODUCT DESCRIPTION

Sikafloor® Pronto RS-34 is a fast curing decorative floor covering based on reactive acrylic resins for dry areas.

USES

Sikafloor® Pronto RS-34 may only be used by experienced professionals.

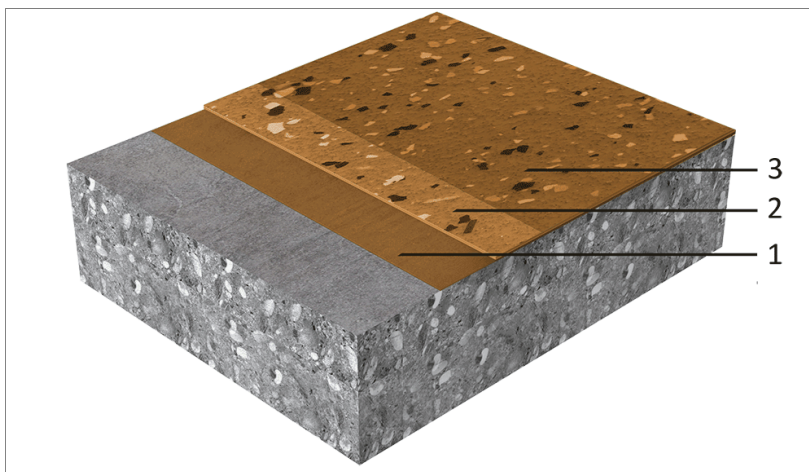
- Manufacturing facilities where minimum downtime of the production process is required.
- Facilities in the food and beverage industry with a demand for fast curing and chemically resistant floors

CHARACTERISTICS / ADVANTAGES

- Very fast curing even at low temperatures
- High mechanical and chemical resistance
- Decorative effect

SYSTEM INFORMATION

System Structure



Sikafloor® Pronto RS-34 system (~2–4 mm)

1. Primer	Sikafloor®-10/-11 Pronto
2. Wearing coat & broadcasting with flakes	Sikafloor®-14 Pronto (filled 1:2 with Sikafloor® Pronto Filler) & coloured flakes
3. Top coat	Sikafloor®-16 Pronto

Composition	Reactive acrylic resins
Appearance	Smooth, light textured semi-gloss finish
Colour	~ 7032 other colours upon request.
Nominal Thickness	~2-4mm

TECHNICAL INFORMATION

Chemical Resistance	Refer to the chemical resistance of Sikafloor®-16 Pronto.
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APPLICATION INFORMATION

Sikafloor® Pronto RS-34 system (~2–4 mm)		
Coating System	Product	Consumption
Primer	1–2 × Sikafloor®-10/-11 Pronto	1–2 × ~0.4–0.5 kg/m ²
Optional -Levelling Mortar (surface roughness up to 3 mm not included in the diagram)	Sikafloor®-11 Pronto (1 pbw) + Sikafloor® Pronto Filler (1.5–2.0 pbw)	1.6 kg/m ² /mm (0.6 kg part A +1 kg Sikafloor® Pronto Filler)
Wearing coat	Sikafloor®-14 Pronto (filled 1:2 with Sikafloor® Pronto Filler)	~ 3.6 kg/m ²
Broadcasting with flakes	Coloured flakes	~0.5 kg/m ²
Top Coat	Sikafloor®-16 Pronto	1–2 × ~0.6–0.8 kg/m ²

Product Temperature	Please refer to the individual product data sheets
Ambient Air Temperature	0 °C min. / +30 °C max.
Relative Air Humidity	80 % r.h. 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.

Substrate Temperature	0 °C min. / +30 °C max.																																
Substrate Moisture Content	When performing application work with Sikafloor® Pronto RS-34, the substrate moisture content must not exceed 4 % pbw measured by Tramex. Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-sheet).																																
Waiting Time / Overcoating	Before applying Sikafloor®-14 Pronto on Sikafloor®-11/-13 Pronto allow: <table border="1"><thead><tr><th>Substrate temperature</th><th>Minimum</th></tr></thead><tbody><tr><td>0 °C</td><td>50 min</td></tr><tr><td>+10 °C</td><td>45 min</td></tr><tr><td>+20 °C</td><td>40 min</td></tr><tr><td>+30 °C</td><td>35 min</td></tr></tbody></table> Before applying Sikafloor®-14 Pronto on Sikafloor®-10 Pronto allow: <table border="1"><thead><tr><th>Substrate temperature</th><th>Minimum</th></tr></thead><tbody><tr><td>0 °C</td><td>70 min</td></tr><tr><td>+10 °C</td><td>50 min</td></tr><tr><td>+20 °C</td><td>50 min</td></tr><tr><td>+30 °C</td><td>35 min</td></tr></tbody></table> Before applying Sikafloor®-16 Pronto on Sikafloor®-14 Pronto allow: <table border="1"><thead><tr><th>Substrate temperature</th><th>Minimum</th></tr></thead><tbody><tr><td>-5 °C</td><td>120 min</td></tr><tr><td>0 °C</td><td>80 min</td></tr><tr><td>+10 °C</td><td>60 min</td></tr><tr><td>+20 °C</td><td>45 min</td></tr><tr><td>+30 °C</td><td>30 min</td></tr></tbody></table>	Substrate temperature	Minimum	0 °C	50 min	+10 °C	45 min	+20 °C	40 min	+30 °C	35 min	Substrate temperature	Minimum	0 °C	70 min	+10 °C	50 min	+20 °C	50 min	+30 °C	35 min	Substrate temperature	Minimum	-5 °C	120 min	0 °C	80 min	+10 °C	60 min	+20 °C	45 min	+30 °C	30 min
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Applied Product Ready for Use	Temperature	Foot traffic	Full traffic
	- 5 °C	~70 min	~2 hours
	0 °C	~50 min	~2 hours
	+10 °C	~50 min	~1 hours
	+20 °C	~40 min	~1 hours
	+20 °C	~30 min	~1 hours

PRODUCT INFORMATION

Packaging	Please refer to the individual product data sheets
Shelf Life	Please refer to the individual product data sheets
Storage Conditions	Please refer to the individual product data sheets

MAINTENANCE

CLEANING

Please refer to the Sikafloor® Cleaning Regime

FURTHER DOCUMENTS

- Sika® Information Manual Mixing & Applications of Flooring systems
- Sika® Information Manual Evaluation and Preparation of Surfaces for Flooring systems

LIMITATIONS

- Do not use Sikafloor® Pronto RS-34 on substrates with rising moisture.
- Freshly applied Sikafloor® Pronto RS-34 must be protected from damp, condensation and water for at least 1 hour.
- Use spark proof mixing equipment for internal applications.
- Always ensure good ventilation when using Sikafloor® Pronto RS-34 in a confined space.
- In order to ensure optimum curing during internal applications the air must be exchanged at least seven times per hour. During application and curing use a forced fresh air supply/exhausting of fumes with appropriate equipment (explosion-proof).
- Systems based on reactive acrylic resins exhibit a characteristic odour during application and prior to achieving full cure, once fully cured they are taint free. All unpackaged goods should be removed from the area of the works during application. Do not apply in the presence of foodstuffs. Any foodstuffs, whether packaged or not, should be completely isolated from the flooring works during the application process and until the products are fully cured.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric powered warm air blower systems.

VALUE BASE

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.

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.

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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.

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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