

SYSTEM DATA SHEET

Sikafloor® Pronto RS-34

DECORATIVE SMOOTH FAST CURING ACRYLIC RESIN FLOORING SYSTEM

PRODUCT DESCRIPTION

Sikafloor® Pronto RS-34 is a decorative, fast curing, acrylic resin flooring system. The fast curing allows full use of the floor within hours of application.

USES

Sikafloor® Pronto RS-34 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

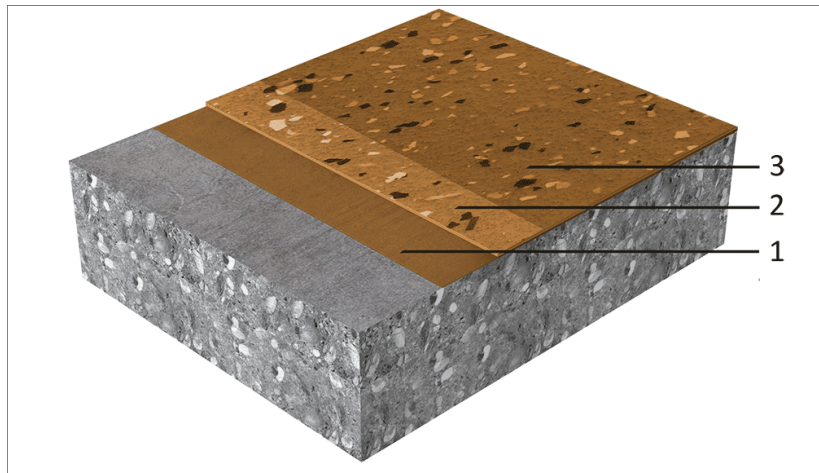
- Manufacturing facilities where minimum downtime of the production process is required.
- Facilities in the food and beverage industry with a demand for fast curing and chemically resistant floors
- For interior use

CHARACTERISTICS / ADVANTAGES

- Seamless
- Very fast curing at low temperatures
- High mechanical resistance
- Low maintenance
- Colour options
- Decorative design
- Chemical resistant top coat
- Easy application
- Lightly textured semi-gloss finish
- Thickness: ~2,0–4,0 mm

SYSTEM INFORMATION

System Structure



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

Layer	TProduct
1. Primer	Sikafloor®-10/-11/-13 Pronto
2. Wearing layer + Coloured flake broadcast	Sikafloor®-14 Pronto (filled 1:2 with Sikafloor® Pronto Filler) + coloured flakes
3. Seal / Top coat	Sikafloor®-16 Pronto

Composition	Reactive acrylic resins
Appearance	Lightly textured semi-gloss finish
Colour	Standard colour: ~RAL 7032. Other colours on request.
Nominal Thickness	~2–4 mm

TECHNICAL INFORMATION

Chemical Resistance	Sikafloor®-16 Pronto provides the chemical resistance. Refer to Product Data Sheet.
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APPLICATION INFORMATION

Sikafloor® Pronto RS-34 system (~2–4 mm)			
Layer	Product	Consumption	
1. Primer	1–2 × Sikafloor®-10/-11/-13 Pronto	1–2 × ~0,4–0,5 kg/m ²	
Optional* -Levelling Mortar (surface roughness up to 3 mm)	Sikafloor®-11 Pronto filled 1:1,5–2,0 with Sikafloor® Pronto Filler by weight	1,6 kg/m ² /mm	
2. Wearing layer + Coloured flake broadcast	Sikafloor®-14 Pronto filled 1:2 with Sikafloor® Pronto Filler by weight Coloured flakes	~3,6 kg/m ² ~0,5-1,0 kg/m ²	
3. Seal / Top coat	Sikafloor®-16 Pronto	1–2 × ~0,6–0,8 kg/m ²	

*Not included in the system structure diagram.

These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

Ambient Air Temperature	0 °C min. / +30 °C max.
Relative Air Humidity	80 % max.

Dew Point	Beware of condensation. The substrate and uncured applied floor material must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product.																																	
Substrate Temperature	0 °C min. / +30 °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).																																	
Waiting Time / Overcoating	<p>Before applying Sikafloor®-14 Pronto on Sikafloor®-11/-13 Pronto allow:</p> <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> <p>Before applying Sikafloor®-14 Pronto on Sikafloor®-10 Pronto allow:</p> <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> <p>Before applying Sikafloor®-16 Pronto on Sikafloor®-14 Pronto allow:</p> <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> <p>Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.</p>		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 h
	0 °C	~50 min	~2 h
	+10 °C	~50 min	~1 h
	+20 °C	~40 min	~1 h
	+20 °C	~30 min	~1 h
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PRODUCT INFORMATION

Packaging	Refer to the individual product data sheets
Shelf Life	Refer to the individual product data sheets
Storage Conditions	Refer to the individual product data sheets

MAINTENANCE

CLEANING

Refer to Sika Method Statement: Sikafloor®-Cleaning Regime

FURTHER DOCUMENTS

- Sika Method Statement: Sikafloor®-Cleaning Regime
- Sika Method Statement: Mixing & Applications of Flooring Systems
- Sika Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Individual Product Data Sheets within the flooring system

LIMITATIONS

- Do not use Sikafloor® Pronto RS-34 on substrates with rising moisture.
- After application, all the products 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 suitable equipment (spark-free / 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 must be removed from the area of the works during application. Do not apply in the presence of foodstuffs. Any foodstuffs, whether packaged or not, must be completely isolated from the flooring works during the application process and until the products are fully cured.
- For consistent colour matching, ensure the Sika® - Pronto Pigment in each area is applied from the same control batch number.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to indentations in the resin.
- If temporary 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 Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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 the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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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System Data Sheet

Sikafloor® Pronto RS-34
May 2020, Version 02.01
020813900000000008

SikafloorProntoRS-34-en-IE-(05-2020)-2-1.pdf