

SYSTEM DATA SHEET

Sikafloor® Pronto RB-28

Acrylic crack-bridging fast curing car park decking membrane system

PRODUCT DESCRIPTION

Sikafloor® Pronto RB-28 is an acrylic resin based, crack-bridging, fast curing car park decking membrane system

USES

Sikafloor® Pronto RB-28 may only be used by experienced professionals.

Slip resistant resin flooring on cementitious and asphalt substrates for:

- Multi-storey and underground car park decks, turning areas and ramps
- Interior and exterior use

CHARACTERISTICS / ADVANTAGES

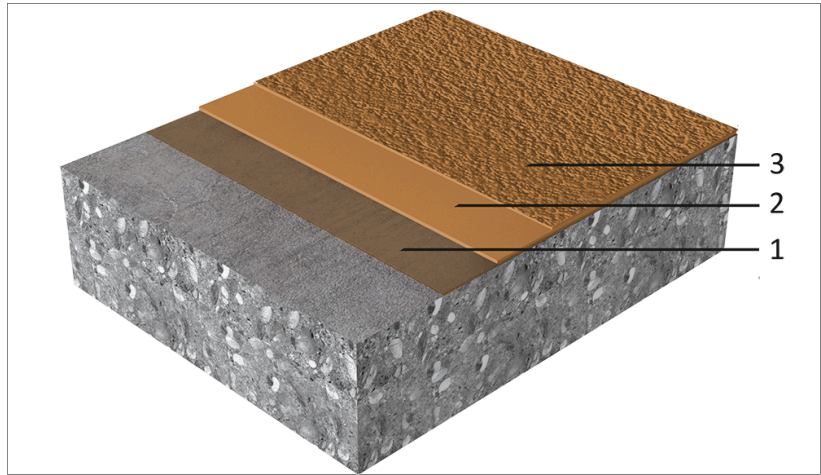
- Very fast curing even at low temperatures
- Waterproof
- Good abrasion resistance
- Good mechanical and chemical resistance
- Crack-bridging properties
- Slip and skid resistant surface
- Suitable for concrete and asphalt surfaces

APPROVALS / STANDARDS

- Crack-bridging test EN 1062-7, Sikafloor® Pronto RB-28, kiwa, Report No. P 10729-2-E
- Fire Behaviour EN ISO 9239-1, Sikafloor® Pronto RB-28, University of Ghent, Test report No. 19-0151-02
- Crack Bridging Ability ASTM C1305, Sikafloor® Pronto RB-28, NELSON, Test report 19-1060(A)

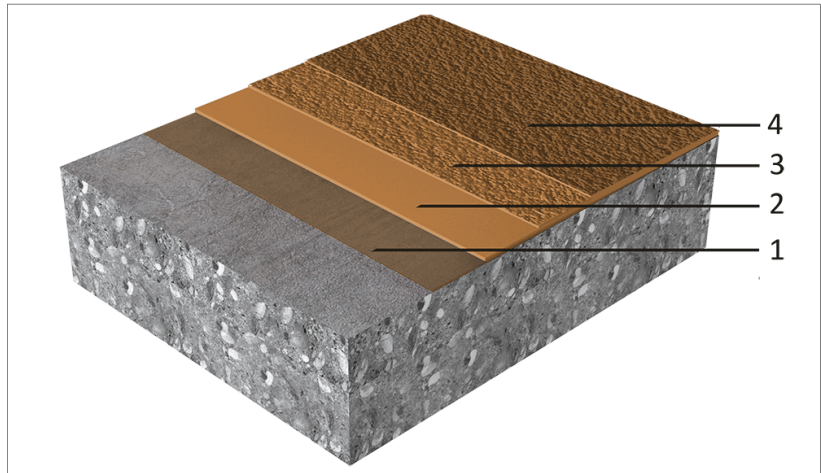
SYSTEM INFORMATION

System Structure



Sikafloor® Pronto RB-28 system (~3–5 mm) / Application on horizontal surfaces

Layer	Product
1. Primer	Sikafloor®-10 Pronto N
2. Wearing layer + broadcast	Sikafloor®-32 Pronto (filled 1:2 with Sikafloor® Pronto Filler) + standard or coloured quartz sand (0.6–1.2 mm)
3. Seal / Top coat	Sikafloor®-18 Pronto



Sikafloor® Pronto RB-28 system (~3–5 mm) / Application on inclined surfaces (10–20 %)

Layer	Product
1. Primer	Sikafloor®-10 Pronto N
2. Base layer + light broadcast	Sikafloor®-32 Pronto (unfilled) + standard or coloured quartz sand (0.6–1.2 mm)
3. Wearing layer + excess broadcast	Sikafloor®-32 Pronto (unfilled) + standard or coloured quartz sand (0.6–1.2 mm)
4. Seal / Top coat	Sikafloor®-18 Pronto

Composition	Reactive acrylic resins
Appearance	Slip-resistant semi-gloss finish
Colour	Seal / Top coat colours: ~RAL 3003, RAL 5010, RAL 6010, RAL7011, RAL7032, RAL7037

Nominal thickness ~3–5 mm

TECHNICAL INFORMATION

Crack Bridging Ability	Static crack bridging > 250 µm	Class A2	(DIN EN 1062-7)
Reaction to Fire	Cfl-S1		(DIN EN 13501-1)
Chemical Resistance	Sikafloor®-18 Pronto provides the chemical resistance. Refer to Product Data Sheet		
Permeability to Water Vapour	$S_d = 148$ m, Class III		(EN 1062-1)
Skid / Slip Resistance	R11 V4		(DIN 51130)

APPLICATION INFORMATION

Consumption			
Sikafloor® Pronto RB-28 system (~ 3–5 mm) / Application on horizontal surfaces			
Layer	Product	Consumption	
1. Primer	Sikafloor®-10 Pronto N	1–2 × ~0.4 kg/m ² / coat	
Optional* –Levelling Mortar (surface roughness up to 3 mm)	Sikafloor®-10 Pronto N filled 1:1.5–2.0 with Sikafloor® Pronto Filler by weight	~1.6 kg/m ² /mm	
2. Wearing layer	Sikafloor®-32 Pronto filled 1:2 with Sikafloor® Pronto Filler by weight	~3.6 kg/m ²	
Broadcast	Standard or coloured quartz sand (0.6–1.2 mm) to excess	~4–6 kg/m ²	
3. Top Coat	Sikafloor®-18 Pronto	1–2 × ~0.6–0.8 kg/m ²	
Sikafloor® Pronto RB-28 system (~3–5 mm) / Application on inclined surfaces (10 - 20%)			
Layer	Product	Consumption	
1. Primer	Sikafloor®-10 Pronto N	1–2 × ~0.4 kg/m ² / coat	
Optional* –Levelling Mortar (surface roughness up to 3 mm)	Sikafloor®-10 Pronto N filled 1:1.5–2.0 with Sikafloor® Pronto Filler by weight + 0.5–1 % Extender T**	1.6 kg/m ² / mm	
2. Base layer	Sikafloor®-32 Pronto (unfilled) + 0.5–1 % Extender T	~0.8 kg/m ²	
Light broadcast	Standard quartz sand (0.6–1.2 mm)	~1 kg/m ²	
3. Wearing layer	Sikafloor®-32 Pronto (unfilled) + 0.5–1 % Extender T	~0.8 kg/m ²	
Excess broadcast	Standard or coloured quartz sand (0.6–1.2 mm)	~3–4 kg/m ²	
4. First seal / Top coat	Sikafloor®-18 Pronto	~1 × 0.5 kg/m ²	
Second seal / Top coat	Sikafloor®-18 Pronto	~1 × 0.3 kg/m ²	

*Not included in the system structure diagram. **Depends on temperature and inclination.

For high inclinations of 15–20 %, the use of Sika® Extender T in the wearing layer may be used.

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®-32 Pronto on Sikafloor®-10 Pronto N allow:</p> <table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum (minutes)</th> </tr> </thead> <tbody> <tr> <td>+5 °C</td> <td>70</td> </tr> <tr> <td>+10 °C</td> <td>55</td> </tr> <tr> <td>+20 °C</td> <td>50</td> </tr> <tr> <td>+30 °C</td> <td>35</td> </tr> </tbody> </table> <p>Before applying Sikafloor®-18 Pronto on Sikafloor®-32 Pronto allow:</p> <table border="1"> <thead> <tr> <th>Substrate temperature</th> <th>Minimum (minutes)</th> </tr> </thead> <tbody> <tr> <td>+5 °C</td> <td>80</td> </tr> <tr> <td>+10 °C</td> <td>60</td> </tr> <tr> <td>+15 °C</td> <td>50</td> </tr> <tr> <td>+20 °C</td> <td>45</td> </tr> <tr> <td>+25 °C</td> <td>35</td> </tr> <tr> <td>+30 °C</td> <td>30</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 (minutes)	+5 °C	70	+10 °C	55	+20 °C	50	+30 °C	35	Substrate temperature	Minimum (minutes)	+5 °C	80	+10 °C	60	+15 °C	50	+20 °C	45	+25 °C	35	+30 °C	30
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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

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.

FURTHER DOCUMENTS

- Sika Information Manual: Sikafloor®-Cleaning Regime
- Sika Information Manual: Mixing & Applications of Flooring Systems
- Sika Information Manual: Evaluation and Preparation of Surfaces for Flooring Systems

- Individual Product Data Sheets within the flooring system

LIMITATIONS

- 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 RB-28 in a confined space.
- In order to ensure optimum curing during internal applications, the air must be exchanged at least sev-

en 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 exact 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.

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.

MAINTENANCE

CLEANING

Refer to Sika Information Manual: Sikafloor®-Cleaning Regime

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.

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