BUILDING TRUST

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 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

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

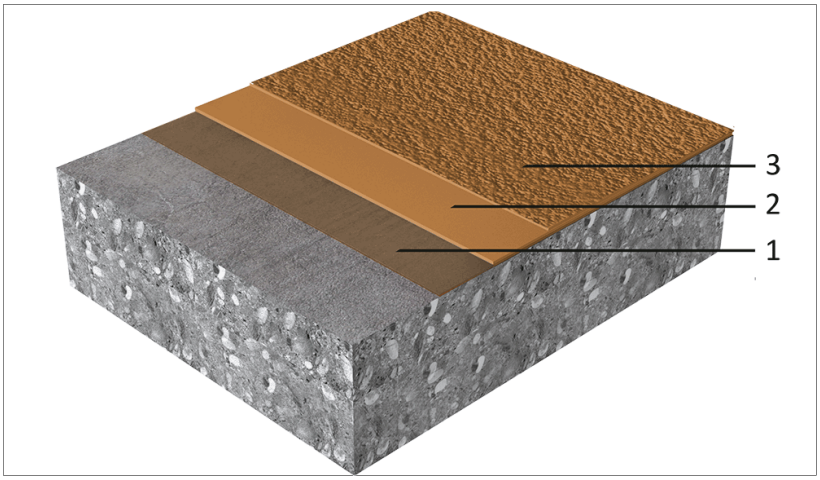
- Very fast curing even at low temperatures
- Waterproof
- Good abrasion resistance
- Good mechanical and chemical resistance
- Crack-bridging properties
- Slip and skid resistant surface
- Suitable for concrete and asphalt surfaces

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)

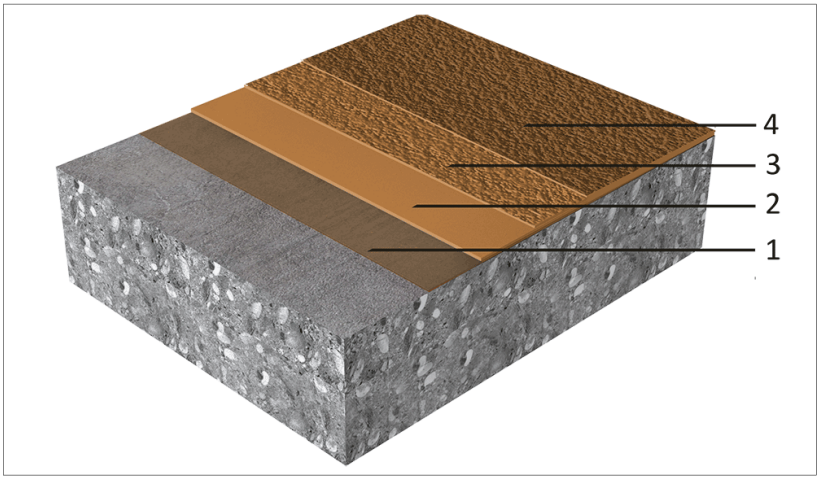
SYSTEM INFORMATION

System Structure



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

Layer	Product
1. Primer	Sikafloor®-10/-11/-13 Pronto
2. Wearing layer + broadcast	Sikafloor®-32 Pronto (filled 1:2 with Sikafloor® Pronto Filler) + standard or coloured quartz sand (0,7–1,2 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/-11/-13 Pronto
2. Base layer + light broadcast	Sikafloor®-32 Pronto (unfilled) + standard or coloured quartz sand (0,7–1,2 mm)
3. Wearing layer + excess broadcast	Sikafloor®-32 Pronto (unfilled) + standard or coloured quartz sand (0,7–1,2 mm)
4. Seal / Top coat	Sikafloor®-18 Pronto

Composition	Reactive acrylic resins
Appearance	Slip-resistant semi-gloss finish
Colour	Seal / Top coat colours: ~RAL 7030, RAL 5010, RAL 5015
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/-11/-13 Pronto	1–2 × ~0,4–0,5 kg/m² / coat
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/m²/mm
2. Wearing layer	Sikafloor®-32 Pronto filled 1:2 with Sikafloor® Pronto Filler by weight	~3,6 kg/m²
Broadcast	Standard or coloured quartz sand (0,7–1,2 mm) to excess	~4–6 kg/m²
3. Top Coat	Sikafloor®-18 Pronto	1–2 × ~0,6–0,8 kg/m²

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

Layer	Product	Consumption
1. Primer	Sikafloor®-10/-11/-13 Pronto	1–2 × ~0,4–0,5 kg/m² / coat
Optional* -Levelling Mortar (surface roughness up to 3 mm)	Sikafloor®-11 Pronto filled 1:1,5–2,0 with Sikafloor® Pronto Filler by weight + 0,5–1,0 % Extender T**	1,6 kg/ m² /mm
2.Base layer	Sikafloor®-32 Pronto (unfilled) + 0,5–1 % Extender T	~0,8 kg/m²
Light broadcast	Standard quartz sand (0,7–1,2 mm)	~1 kg/m2
3. Wearing layer	Sikafloor®-32 Pronto (unfilled) + 0,5–1 % Extender T	~0,8 kg/m²
Excess broadcast	Standard or coloured quartz sand (0,7–1,2 mm)	~3–4 kg/m²
4. First seal / Top coat	Sikafloor®-18 Pronto	~1 × 0,5 kg/m²
Second seal / Top coat	Sikafloor®-18 Pronto	~1 × 0,3 kg/m²

*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

Before applying Sikafloor®-32 Pronto on Sikafloor®-11/-13 Pronto allow:

Substrate temperature	Minimum (minutes)
+5 °C	50
+10 °C	45
+20 °C	40
+30 °C	35

Before applying Sikafloor®-32 Pronto on Sikafloor®-10 Pronto allow:

Substrate temperature	Minimum (minutes)
+5 °C	70
+10 °C	55
+20 °C	50
+30 °C	35

Before applying Sikafloor®-18 Pronto on Sikafloor®-32 Pronto allow:

Substrate temperature	Minimum (minutes)
+5 °C	80
+10 °C	60
+15 °C	50
+20 °C	45
+25 °C	35
+30 °C	30

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Applied Product Ready for Use

Temperature	Foot traffic	Full traffic
0 °C	~50 minutes	~2 hours
+10 °C	~50 minutes	~2 hours
+20 °C	~40 minutes	~1 hour
+30 °C	~30 minutes	~1 hour

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

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

- 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 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 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 CO_2 and H_2O 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.

SIKA IRELAND LIMITED
Ballymun Industrial Estate
Ballymun
Dublin 11, Ireland
Tel: +353 1 862 0709
Web: www.sika.ie
Twitter: @SikaIreland