

SYSTEM DATA SHEET

Sikafloor® Pronto RB-55

CRACK-BRIDGING FAST CURING ACRYLIC RESIN FLOORING SYSTEM

PRODUCT DESCRIPTION

Sikafloor® Pronto RB-55 is a crack-bridging, fast curing, acrylic resin flooring system. The fast curing allows full use of the floor within hours of application with the ability to span dynamic surface cracks.

USES

Sikafloor® Pronto RB-55 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

Industrial resin flooring on cementitious substrates for:

- Multi-storey and underground car park intermediate decks, turning areas and ramps
- Loading and access ramps
- Food & beverage process areas
- Wet and dry areas
- Interior and exterior use

CHARACTERISTICS / ADVANTAGES

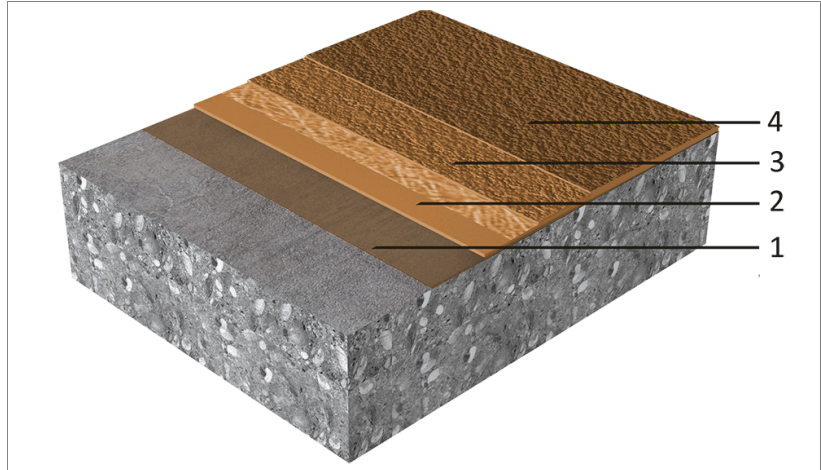
- Dynamic crack-bridging properties
- Seamless
- Very fast curing at low temperatures
- Waterproof
- Good mechanical and chemical resistance
- Chemical resistant top coat
- Slip and skid resistant surface
- Textured semi-gloss finish
- Thickness: ~4,0–6,0 mm

APPROVALS / STANDARDS

- Crack-bridging test EN 1062-7, Sikafloor® Pronto RB 55, kiwa, Report No. P 10016-E
- Fire Testing CEN/TS 1187, Sikafloor® Pronto RB-55, Hoch, Test report No. PB-Hoch-180259
- Fire Testing EN 13501-5, Sikafloor® Pronto RB-55, Hoch, Classification report No. PB-Hoch-180260
- Fire Testing EN 11925-2, Sikafloor® Pronto RB-55, Hoch, Test report No. PB-Hoch-180399

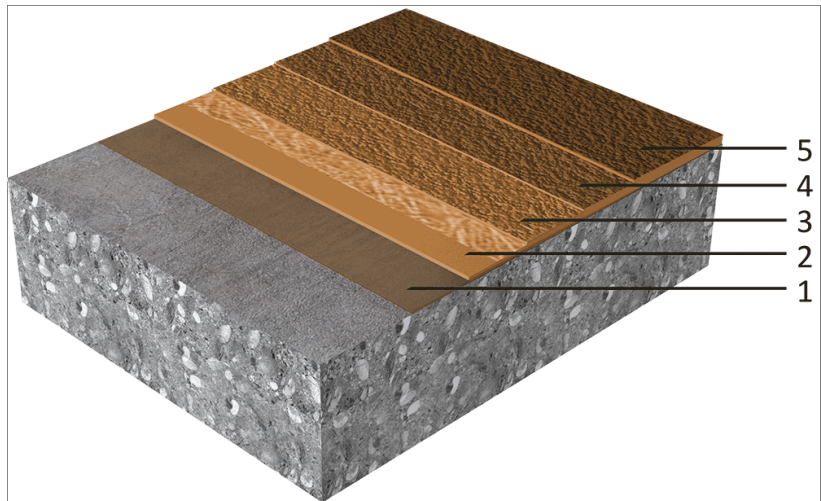
SYSTEM INFORMATION

System Structure



Sikafloor® Pronto RB-55 system (~4–6 mm) / Application on horizontal surfaces

Layer	Product
1. Primer	Sikafloor®-10/-11/-13 Pronto
2. Base coat encapsulation layer + Fleece	Sikafloor®-15 Pronto + Sika Reemat Premium (weight ~225 g/m ²)
3. Wearing layer + Broadcast	Sikafloor®-15 Pronto (filled 1:2 with Sikafloor® Pronto Filler) + quartz sand or coloured quartz sand (0,7–1,2mm)
4. Seal / Top coat	Sikafloor®-18 Pronto



Sikafloor® Pronto RB-55 system (~4–6 mm) / Application on inclined surfaces

Layer	Product
1. Primer	Sikafloor®-10/-11/-13 Pronto
2. Base coat encapsulation layer + Fleece	Sikafloor®-15 Pronto & Sika Reemat Premium (weight ~225 g/m ²)
3. 1 st wearing layer + slight broadcast	Sikafloor®-15 Pronto & quartz sand (0,7–1,2 mm)
4. 2 nd wearing layer + excess broadcast	Sikafloor®-15 Pronto & quartz sand or coloured quartz sand (0,7–1,2mm)
5. 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	~4–6 mm

TECHNICAL INFORMATION

Crack Bridging Ability	Dynamic crack-bridging up to 0,3 mm: Class B 3,2 (0 °C)	(DIN EN 1062-7)
External Fire Performance	B Roof T1	(DIN EN 13501-1 and DIN EN 13501-5)
Chemical Resistance	Sikafloor®-18 Pronto provides the chemical resistance. Refer to Product Data Sheet	
Skid / Slip Resistance	R11 V4	(DIN 51130)

APPLICATION INFORMATION

Consumption	Sikafloor® Pronto RB-55 system (~ 4–6 mm) / Application on horizontal surfaces		
	Layer	Product	Consumption
	1. Primer	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. Base coat encapsulation layer +	Sikafloor®-15 Pronto (without Sikafloor® Pronto Filler)	~1,6 kg/m ²
	Fleece	Sika Reemat Premium	
	3. Wearing layer +	Sikafloor®-15 Pronto (filled 1:2 with Sikafloor® Pronto Filler)	~3,6 kg/m ²
	Broadcast	Quartz sand or coloured quartz sand (0,7–1,2mm)	~4–6 kg/m ²
	4. Seal / Top Coat	Sikafloor®-18 Pronto	1–2 × ~0,6–0,8 kg/m ²
	Sikafloor® Pronto RB-55 system (~ 4–6 mm) / Application on inclined surfaces		

Layer	Product	Consumption
1. Primer	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 + 0,5–1,0 % Extender T**	1,6 kg/m ² /mm
2. Base coat encapsulation layer +	Sikafloor®-15 Pronto (without Sikafloor® Pronto Filler) + 0,5 %-1% Extender T**	~1,6 kg/m ²
Fleece	Sika Reemat Premium	
3. 1 st wearing layer + slight broadcast	Sikafloor®-15 Pronto Quartz Sand (0,7–1,2mm)	~0,8 kg/m ² ~1–2 kg/m ²
4. 2 nd wearing layer + excess broadcast	Sikafloor®-15 Pronto Quartz sand or coloured quartz sand (0,7–1,2mm)	~1,0 kg/m ² ~2–3 kg/m ²
5. Seal / Top coat	Sikafloor®-18 Pronto	1–2 × ~0,6–0,8 kg/m ²

*Not included in the system structure diagram. **Depends on temperature and inclination (15–20 %).

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®-15 Pronto on Sikafloor®-11/-13 Pronto allow:

Substrate temperature	Minimum
+5 °C	50 min
+10 °C	45 min
+20 °C	40 min
+30 °C	35 min

Before applying Sikafloor®-15 Pronto on Sikafloor®-10 Pronto allow:

Substrate temperature	Minimum
+5 °C	70 min
+10 °C	50 min
+20 °C	50 min
+30 °C	35 min

Before applying Sikafloor®-18 Pronto on Sikafloor®-15 Pronto allow:

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

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 min	~2 h
	+10 °C	~50 min	~2 h
	+20 °C	~40 min	~1 h
	+30 °C	~30 min	~1 h

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 sheet
Shelf Life	Refer to the individual product data sheet
Storage Conditions	Refer to the individual product data sheet

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 RB-55 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 Sika-

floor® Pronto RB-55 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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