BUILDING TRUST

SYSTEM DATA SHEET

Sikafloor® Pronto RB-58

HIGHLY CRACK BRIDGING, FAST CURING, WATERPROOFING SYSTEM FOR FLOORING APPLICATIONS

PRODUCT DESCRIPTION

Sikafloor® Pronto RB-58 is a slip resistant, fast curing, highly crack bridging, waterproofing, coloured floor covering based on reactive acrylic resins

USES

Sikafloor® Pronto RB-58 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

Suitable for indoor and outdoor trafficable, slip resistant wearing layers, concrete and asphalt multi-storey and underground car-parks top and intermediate decks, turning areas and ramps.

CHARACTERISTICS / ADVANTAGES

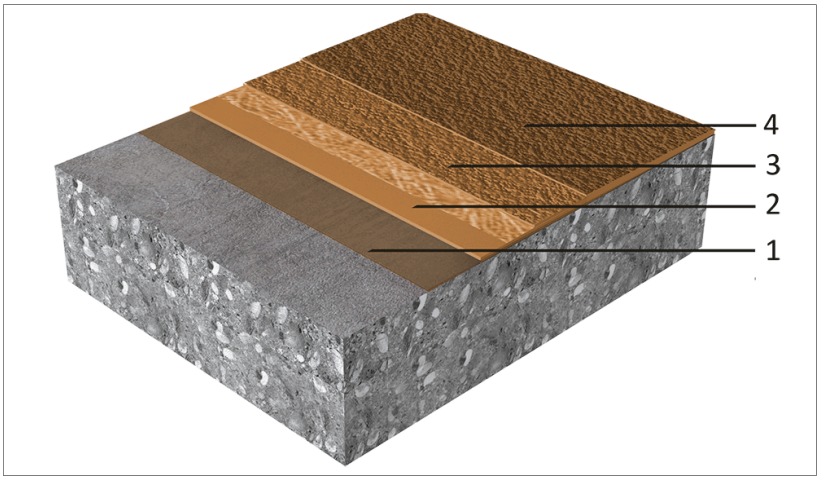
- Dynamic crack bridging up to 0.5mm, class B 4.2 (-20°C)
- Waterproof
- Very fast curing even at low temperatures
- Good abrasion resistance
- Good mechanical and chemical resistance
- Solvent-free
- Suitable for concrete and asphalt surfaces under special treatment

APPROVALS / STANDARDS

- Surface Protection System OS 10 according to DIN V 18026 (Rili-DAFstb), Kiwa Polymer Institut GmbH, report No. P 11012-E
- Dynamic crack-bridging classification B 4.2 (-20°C) according to DIN EN 1062-7 part of EN 1504, Report No. P 8498-2a, KIWA Polymer Institute, Germany, October 2014.
- Static crack bridging class A4 (width of the crack >1250 µm) at -10 °C according to DIN EN 1062-7 part of EN 1504, Report No. P 10729-1a-E, KIWA Polymer Institute, Germany, March 2017.
- Fire classification Cfl-s1 in accordance with DIN EN 13501-1, Report No.PB-Hoch-120467, Hoch Institute, Germany, March 2012
- Fire classification B roof (T1) in accordance with DIN EN 13501-1 and DIN EN 13501-5, Report No.KB-Hoch-150157-2, Hoch Institute, Germany, March 2015
- Slip resistant test report, class R11 V4 according to DIN 51130, Roxeler Institute, Germany, December 2015
- Slip resistant test report, Coefficient of friction µ = 0.47 according to DIN 51131, Roxeler Institute, Germany, December 2015

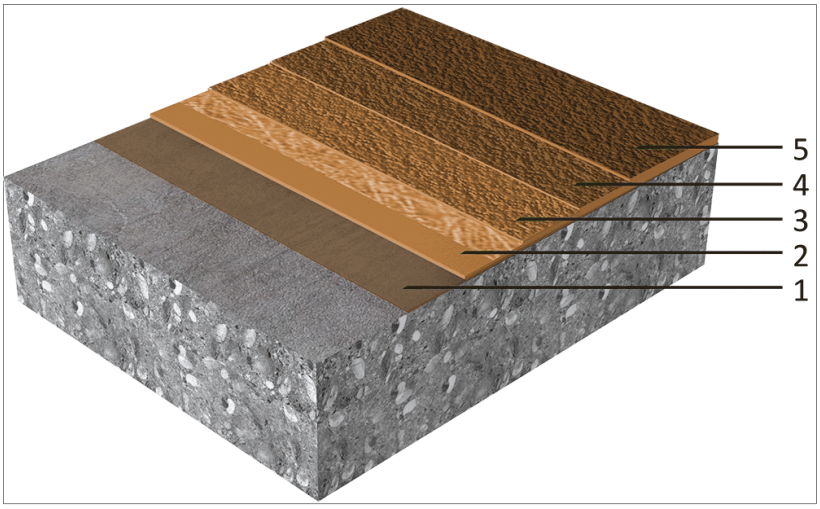
SYSTEM INFORMATION

System Structure



Sikafloor® Pronto RB-58 system (~ 4–6 mm) / Application on horizontal surfaces

1. Primer	Sikafloor®–10/11 Pronto
2. Base coat- encapsulation layer & Fleece	Sikafloor®–32 Pronto & Sika Reemat Premium (weight ~225gr/m²)
3. Wearing coat & broadcasting in excess	Sikafloor®–32 Pronto (filled 1:2 with Sikafloor®-Pronto Filler) & quartz sand or coloured quartz sand (0.6-1.2mm)
4. Top coat	Sikafloor®–18 Pronto



Sikafloor® Pronto RB-58 system (~ 4–6 mm) / Application on surfaces with inclination

1. Primer	Sikafloor®–10/11 Pronto
2. Base coat- encapsulation layer & Fleece	Sikafloor®–32 Pronto & Sika Reemat Premium (weight ~225gr/m²)
3. First wearing coat & slight broad-casting	Sikafloor®–32 Pronto (filled 1:2 with Sikafloor®–Pronto Filler) & quartz sand or coloured quartz sand (0.6–1.2mm)
4. Second wearing coat & broadcast-ing in excess	Sikafloor®–32 Pronto (filled 1:2 with Sikafloor®–Pronto Filler) & quartz sand or coloured quartz sand (0.6–1.2mm)
5. Top coat	Sikafloor®–18 Pronto

Composition	Reactive acrylic resins
Appearance	Slip resistant semi-gloss finish
Colour	According to the Sikafloor®-18 Pronto available colour shades RAL 7030, RAL 5010, RAL 5015.
Nominal Thickness	~4-6mm

TECHNICAL INFORMATION

Abrasion Resistance	~640 mg (H22 / 1000/ 1000) (7 days / +23 °C)		(EN ISO 5470-1)
Crack Bridging Ability	Dynamic crack bridging up to 0.5mm	Class B 4.2 (-20 °C)	(DIN EN 1062–7)
	Static crack bridging > 1250 µm	Class A 4 (-10 °C)	
External Fire Performance	B roof T1		(DIN EN 13501-1 and DIN EN 13501-5)
Reaction to Fire	Cfl–S1		(DIN EN 13501–1)
Chemical Resistance	Please refer to the chemical resistance table of sikafloor® 18 Pronto		
Permeability to Water Vapour	Sd = 191m, Class III		(EN 1062-1)
Coefficient of Friction	µ = 0.47		(DIN 51131)
Skid / Slip Resistance	R11 V4		(DIN 51130)

APPLICATION INFORMATION

Consumption

Sikafloor® Pronto RB-58 system (~ 4–6 mm) / Application on horizontal surfaces

Coating System	Product	Consumption
Primer	Sikafloor®–10/11 Pronto	1–2 x ~0.4– 0.5 kg/m²
Optional -Levelling Mortar (surface roughness up tp 3mm not included in the diagram)	Sikafloor®–11 Pronto (1 pbw) + Sikafloor®–Pronto Filler (1.5-2.0 pbw)	1.6 kg/ m² /mm (0.6 kg part A +1 kg Sikafloor®-Pronto Filler)
Base coat & encapsulation layer	Sikafloor®–32 Pronto (without Sikafloor®–Pronto Filler)	~ 1.6 kg/m²
Fleece	Sika Reemat Premium	
Wearing coat	Sikafloor®–32 Pronto (filled 1:2 with Sikafloor®–Pronto Filler)	~ 3.6 kg/m²
Broadcasting in excess	Quartz sand or coloured quartz sand (0.6–1.2mm)	~ 4–6 kg/m²
Top Coat	Sikafloor®–18 Pronto	1 x ~ 0.6–0.8 kg/m²

Sikafloor® Pronto RB-58 system (~ 4–6 mm) / Application on surfaces with inclination

Coating System	Product	Consumption
Primer	Sikafloor®–10/11 Pronto	1–2 x ~0.4– 0.5 kg/m²
Optional -Levelling Mortar (surface roughness up tp 3mm not included in the diagram)	Sikafloor®–11 Pronto (1 pbw) Sikafloor®-Pronto Filler (1.5-2.0 pbw) + 0.5-1.0% Extender T depending on the temperature and the inclination	1.6 kg/ m² /mm (0.6 kg part A +1 kg Sikafloor®–Pronto Filler)
Base coat & encapsulation layer	Sikafloor®–32 Pronto (without Sikafloor®-Pronto Filler) + 0.5–1.0% Extender T	I~ 1.6 kg/m²
Fleece	Sika Reemat Premium	
First Wearing Coat	Sikafloor®–32 Pronto (filled 1:2 with Sikafloor®-Pronto Filler)	~ 1.3 kg/m²
Slightly broadcasting	Quartz Sand (0.6–1.2mm)	~ 1–2 kg/m²
Second Wearing coat	Sikafloor®–32 Pronto (filled 1:2 with Sikafloor®-Pronto Filler)	~ 1.3 kg/m²
Broadcasting in excess	Quartz sand or coloured quartz sand (0.6–1.2mm)	~ 3–4 kg/m²
First top coat	Sikafloor®–18 Pronto	1 x ~ 0.5 kg/m²
Second top coat	Sikafloor®–18 Pronto	1 x ~ 0.3 kg/m²

Note: For high inclinations 15–20 % the use of Sika® Extender T in the base coat and the wearing coat might be considered.

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 RB-58, 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®–32 Pronto on Sikafloor®-11 Pronto allow:

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

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

Substrate temperature	Minimum
+5 °C	70 min
+10 °C	55 min
+20 °C	50 min
+30 °C	35 min

Before applying Sikafloor®–18 Pronto on Sikafloor®-32 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

Applied Product Ready for Use

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

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 Information Manual Sikafloor®-

Cleaning Regime

FURTHER DOCUMENTS

Please refer to :

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

LIMITATIONS

- Freshly applied Sikafloor® Pronto RB-58 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-58 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 (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 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.
- 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 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 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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