

## SYSTEM DATA SHEET

# Sikafloor® Pronto RB-27

BROADCAST FAST CURING ELASTOMERIC FLOORING SYSTEM FOR COLD STORAGE, FREEZERS AND REFRIGERATORS

### PRODUCT DESCRIPTION

Sikafloor® Pronto RB-27 is a slip resistant, fast curing, elastomeric flooring system based on reactive acrylic resins for cold storage rooms, freezers and refrigerators.

### USES

Sikafloor® Pronto RB-27 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

- Particularly suitable for food industry use, wet rooms or cold storage rooms, freezers, refrigerators

### CHARACTERISTICS / ADVANTAGES

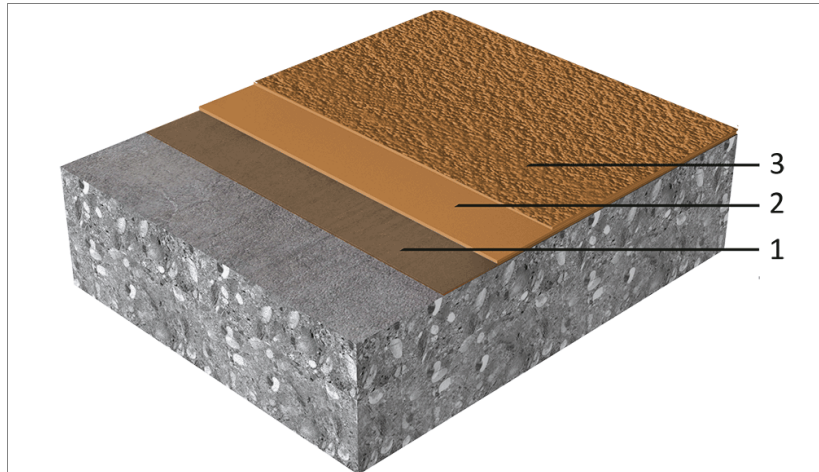
- Very fast curing even at low temperatures
- Good mechanical and chemical resistance
- Slip resistance
- Elastomeric

### APPROVALS / STANDARDS

- Fire classification Cfl-S1 according to EN 13501-1, Rep. 2007-B-0181/7
- Slip Resistance classification R12 V4 measured according to DIN 51130, Report N° 020217-14-15, Roxeler Institute, Germany, November 2014.

# SYSTEM INFORMATION

## System Structure



**Sikafloor® Pronto RB-27 system (~ 3–5 mm)**

1. Primer	Sikafloor®-10/-11/-13 Pronto
2. Wearing coat & broadcasting in excess	Sikafloor®-15 Pronto ( filled 1:2 with Sikafloor® Pronto Filler ) & quartz sand or coloured quartz sand (0.7–1.2mm)
3. Top coat	Sikafloor®-17 Pronto

<b>Composition</b>	Reactive acrylic resins
<b>Appearance</b>	Slip resistant semi-gloss finish
<b>Colour</b>	~ 7032 other colours upon request.
<b>Nominal Thickness</b>	~3–5 mm

## TECHNICAL INFORMATION

<b>Reaction to Fire</b>	Cfl-S1	(DIN EN 13501-1)
<b>Chemical Resistance</b>	Refer to the chemical resistance of Sikafloor®-17 Pronto	
<b>Skid / Slip Resistance</b>	R12 V4	(DIN 51130)

## APPLICATION INFORMATION

Consumption	Sikafloor® Pronto RB-27 system (~ 3–5 mm)		
	Coating System	Product	Consumption
	Primer	1–2 × Sikafloor®-10/-11/-13 Pronto	1–2 × ~0.4–0.5 kg/m <sup>2</sup>
	Optional –Levelling Mortar (surface roughness up to 3 mm not included in the diagram)	Sikafloor®-11 Pronto (1 pbw) + Sikafloor® Pronto Filler (1.5–2.0 pbw) + 2 %Extender T	1.6 kg/m <sup>2</sup> /mm ( 0.6 kg part A +1 kg Sikafloor® Pronto Filler) + 2 %Extender T
	Wearing coat	Sikafloor®-15 Pronto (filled 1:2 with Sikafloor® Pronto Filler)	~ 3.6 kg/m <sup>2</sup>
	Broadcasting in excess	Quartz sand or coloured quartz sand (0.7–1.2mm)	~ 4–6 kg/m <sup>2</sup>
	Top Coat	1–2 × Sikafloor®-17 Pronto	1–2 × ~0.6–0.8 kg/m <sup>2</sup>

<b>Product Temperature</b>	Please refer to the individual product data sheets
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<b>Ambient Air Temperature</b>	5 °C min. / +30 °C max.		
<b>Relative Air Humidity</b>	~ 80 % r.h. max.		
<b>Dew Point</b>	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.		
<b>Substrate Temperature</b>	5 °C min. / +30 °C max.		
<b>Substrate Moisture Content</b>	When performing application work with Sikafloor® Pronto RB-27, 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).		
<b>Waiting Time / Overcoating</b>	Before applying Sikafloor®-15 Pronto on Sikafloor®-11/-13 Pronto allow:		
	<b>Substrate temperature</b>	<b>Minimum</b>	
	+5 °C	50 min	
	+10 °C	45 min	
	+20 °C	45 min	
	+30 °C	35 min	
	Before applying Sikafloor®-15 Pronto on Sikafloor®-10 Pronto allow:		
	<b>Substrate temperature</b>	<b>Minimum</b>	
	+5 °C	70 min	
	+10 °C	50 min	
	+20 °C	40 min	
	+30 °C	30 min	
	Before applying Sikafloor®-17 Pronto on Sikafloor®-15 Pronto allow:		
	<b>Substrate temperature</b>	<b>Minimum</b>	
	+5 °C	80 min	
	+10 °C	50 min	
	+20 °C	40 min	
	+30 °C	30 min	
<b>Applied Product Ready for Use</b>	<b>Temperature</b>	<b>Foot traffic</b>	<b>Full traffic</b>
	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

<b>Packaging</b>	Please refer to the individual product data sheets
<b>Shelf Life</b>	Please refer to the individual product data sheets
<b>Storage Conditions</b>	Please refer to the individual product data sheets

## MAINTENANCE

Please refer to the Method Statement Sikafloor® Cleaning Regime

## CLEANING

## FURTHER DOCUMENTS

- Sika® Method Statement Mixing & Applications of Flooring systems
- Sika® Method Statement Evaluation and Preparation of Surfaces for Flooring systems

## LIMITATIONS

- Freshly applied Sikafloor® Pronto RB-27 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-27 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 CO<sub>2</sub> and H<sub>2</sub>O 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.

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## 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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