

SYSTEM DATA SHEET

Sikafloor®-RB 58 system

Sikafloor®-32 Pronto highly crack bridging system for flooring applications

SYSTEM DESCRIPTION

Sikafloor® - RB 58 system is a broadcasted reinforced fast curing highly crack bridging coloured car park deck flooring system based on reactive acrylic resins for flooring applications.

USES

- For crack-bridging, trafficable, slip resistant wearing layers for multi-storey and underground car-parks, top decks, intermediate decks and ramps.

CHARACTERISTICS / ADVANTAGES

- Dynamic crack bridging up to 0.5mm class B 4.2 (-20°C)
- Very fast curing, even at low temperatures
- Middle to high abrasion resistance
- Good mechanical and chemical resistance
- Elastomeric
- Solvent-free

APPROVALS / STANDARDS

- Test report according to DIN EN 1062-7 for dynamic crack bridging class B 4.2 (-20°C)
- Fire classification Cfl-s1 of Sikafloor® - RB 58 system in accordance with EN 13501-1

COLOURS

According to the Sikafloor®-18 Pronto available standard colour shades:

Light Grey
Dusty Grey
Traffic Grey B
Leaf Green
Gentian Blue
Brown Red

PHYSICAL PROPERTIES

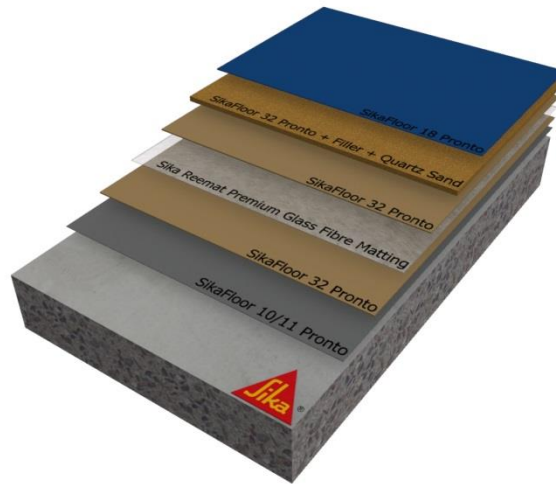
REACTION TO FIRE	Cfl -S1	(EN 13501-1)
CRACK BRINDGING PROPERTIES	Dynamic crack bridging up to 0.5mm : Class B 4.2 (-20°C) (Tested with Sikafloor® -11 Pronto)	(DIN EN 1062-7)
SLIP RESISTANCE	R 11	(DIN 51130)
CHEMICAL RESISTANCE	Sikafloor® - RB 58 system is resistant to oil, gasoline, petroleum. Please refer to the chemical resistance chart for Sikafloor® - 18 Pronto.	

APPLICATION INFORMATION

System Structure

System 1 (~ 3-4 mm)

Highly crack bridging broadcast system approx. 3-4 mm, reinforced:



Coating System	Product	Consumption
Primer	1-2 x Sikafloor®-10/11 Pronto	1-2 x ~ 0.4 kg/m ²
<i>Optional -Levelling Mortar (surface roughness up to 3mm not included in the diagram)</i>	<i>Sikafloor®-11 Pronto (1 pbw) Sikafloor®-Pronto Filler (1.5-2.0 pbw)</i>	<i>1.6 kg/ m² /mm (0.5 kg part A +1 kg Sikafloor®-Pronto Filler)</i>
Base coat and Encapsulation Layer	Sikafloor®-32 Pronto (without Sikafloor®-Pronto Filler)	~ 1.6 kg/m ²
Reinforcement	Sika Reemat Premium	
Wearing coat	Sikafloor®-32 Pronto (filled 1:2 with Sikafloor®-Pronto Filler)	~ 3.6 kg/m ²
Broadcasting in excess	Quartz sand or coloured quartz sand (0.6-1.2mm)	~ 5.0 kg/m ²
Top Coat	Sikafloor® -18 Pronto	1-2 x ~ 0.5 kg/m ²

NOTE: ASPHALT SUBSTRATES MUST BE PRIMED WITH SIKAFLOOR 10 PRONTO WITH THE INCLUSION OF AP1.

Waiting Time / Overcoating

Before applying Sikafloor®-32 Pronto /or Sikafloor®-11 Pronto levelling mortar 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 /or Sikafloor®-11 Pronto levelling mortar 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 / - 32 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

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

SUBSTRATE QUALITY & PREPARATION

Refer to the Sika Information Manual Surface Evaluation & Preparation.

APPLICATION INSTRUCTIONS

Refer to the Sika Information Manual Mixing and Application of Flooring Systems.

CLEANING OF TOOLS

Refer to the Sika Information Manual Mixing and Application of Flooring Systems.

NOTES ON APPLICATION / LIMITATIONS

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.

VALUE BASE

All technical data stated in this System Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this system may vary from country to country. Please consult the local System Data Sheet for the exact description of the application fields.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika Systems, 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.



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