

Sikafloor®-32 Pronto

2-part PU modified PMMA elastomeric binder for self-smoothing screed, broadcasted systems and levelling mortars based on reactive acrylic resins for flooring and car park deck application

Product Description

Sikafloor®-32 Pronto is a two part PU modified PMMA, fast curing, elastomeric self-smoothing binder based on reactive acrylic resins, which is part of the Sikafloor®-RB 58 and Sikafloor®-RB 28 systems.

Sikafloor®-32 Pronto consists of:

Part A: Sikafloor®-32 Pronto Resin

Part B: Sika®-Pronto Hardener

Sika®-Pronto Pigment is used to colour Sikafloor®-32 Pronto if required.

Uses

- For crack-bridging, trafficable, slip resistant flooring wearing layer for multi-storey and underground car-parks, intermediate and exposed decks.
- For fast curing mechanically and chemically resistant, elastomeric flooring wearing layers from 2 to 4 mm

Characteristics / Advantages

- Static crack-bridging capacity, class A4 (-20 °C)
- Dynamic crack-bridging capacity class B4.2 (-20 °C)
- Very fast curing, even at low temperatures
- High elongation at break, even at (-20 °C)
- Good mechanical and chemical resistance
- Elastomeric
- Solvent-free

Test

Approval / Standards

- Test report static crack-bridging, class A4 (-20 °C) according to DIN EN 1062-7 Method A
- Test report dynamic crack-bridging, class B 3.2 (-10 °C) according to DIN EN 1062-7 Method B (unreinforced Sikafloor 32 Pronto)
- Test report dynamic crack-bridging, class B 4.2 (-20 °C) according to DIN EN 1062-7 Method B (reinforced Sikafloor 32 Pronto)
- Coating for concrete protection to the requirements of EN 1504-2: 2004 and the EN 13813:2002, DoP 02 08 01 05 008 0000005 certified by Factory Production Control Body No 1119 and provided with the CE-mark.

Physical Properties

Bond Strength	> 1.5 N/mm ² (failure in concrete)	(DIN 1164)
Elongation at Break	Unfilled Resin : ~ 220% (14 days / +23°C)	(ISO 527)
	Unfilled Resin : ~ 165% (14 days / -20°C)	(ISO 527)

Thermal Resistance

Exposure*	Dry heat
Permanent	+40°C
Short-term max. 2d	+50°C
Short-term max. 1h	+60°C

Short-term moist/wet heat* up to +60°C where exposure is only occasional (steam cleaning etc.)

* No simultaneous chemical and mechanical exposure

Crack Bridging Properties	Static :Class A4 (-20°C)	DIN EN 1062-7
	Dynamic :Class B 3.2 (-10°C) unreinforced	DIN EN 1062-7
	Dynamic :Class B 4.2 (-20°C) reinforced	DIN EN 1062-7

Product Data

Chemical Base	PU modified poly-methyl –methacrylate based resin	
Appearance / Colours	Part A: Sikafloor®-32 Pronto:	transparent, liquid
	Part B: Sika®-Pronto Hardener:	white, powder
	Sikafloor®-Pronto Filler:	white, fine aggregates
	Sika®-Pronto Pigment:	
	RAL 1002, 1011, 1020, 3009, 5010, 5015, 6002, 6011, 6021, 7001, 7021, 7023, 7030, 7031, 7032, 7033, 7035, 7037, 7042 & 7043.	
Packaging	Part A: Sikafloor®-32 Pronto:	25 kg containers, 200 kg drums
	Part B: Sika®-Pronto Hardener:	1.0 kg packs
	Sikafloor®-Pronto Filler:	25 kg packs
	Sika®-Pronto Pigment:	5 kg packs or 25kg packs

Storage

Storage Conditions / Shelf Life	From date of production if stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5°C and +30°C.
	Part A: Sikafloor®-32 Pronto: 12 months
	Part B: Sika®-Pronto Hardener: 6 months
	Sikafloor®-Pronto Filler: for an unlimited period
	Sika®-Pronto Pigment: 2 years
	Sika®-Pronto Hardener must be protected from heat, direct sunlight, moisture and impact.

Density	~ 0.99 kg/l (at +23°C)	(DIN 51 757)
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Solid Content	~ 100% (by volume) / ~ 100% (by weight)
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Mixing Ratio	Part A : Sikafloor®-Pronto Filler : Sika®-Pronto Pigment = 12.5 : 25 : 1 (by weight)
	The amount of Hardener required is dependent on the ambient- and substrate temperature (see table below).

Sikafloor®-32 Pronto 12.5 kg	Sika®-Pronto Hardener						Sikafloor®-Pronto Filler	Sika®-Pronto Pigment
	+5°C	+10°C	+15°C	+20°C	+25°C	30°C		
Sika®-Pronto Hardener (%pbw)	750 g (6.0%)	500 g (4.0%)	375 g (3.0%)	250 g (2.0%)	190 g (1.5%)	125 g (1.0%)	25 kg	1 kg

The hardener powder can also be ordered under the product name „Perkadox CH 50 X“ by Akzo Nobel, www.akzonobel.com or “Interox BP-50 FT” by Degussa, www.degussa.com or “BP 50 W+” by Pergan GmbH, www.pergan.com.

Application Information

Substrate Temperature	+0°C min. / +30°C max. 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.
Ambient Temperature	+0°C min. / +30°C max.
Substrate Moisture Content	≤ 4% pbw moisture content. Test method: Sika® -Tramex meter, CM – measurement or Oven-dry-method. No rising moisture according to ASTM (Polyethylene-Sheet).
Relative Air Humidity	~ 80% r.h. max.
Consumption	~ 3-4 kg/m ² depending on the system applied. Please refer to the System data sheet Sikafloor®- RB 58 system and Sikafloor®- RB 28 system

Potlife

	+5°C	+10°C	+15°C	+20°C	+25°C	+30°C
Time (minutes)	~ 20	~ 15	~ 15	~ 15	~ 12	~ 10

Curing Details

Applied Product ready for use

	+5°C	+10°C	+15°C	+20°C	+25°C	+30°C
Foot traffic (minutes)	~ 80	~ 60	~ 50	~ 45	~ 35	~ 30
Full cure (hours)	~ 3	~ 3	~ 3	~ 2	~ 2	~ 2

Times are approximate and will be affected by changing ambient conditions.

Substrate Quality & Preparation

Refer to the Sika Information Manual Surface Evaluation & Preparation.

Application Instructions

Refer to the Sika Information Manual Mixing and Application.

Cleaning of tools

Refer to the Sika Information Manual Mixing and Application.

Notes on Application / Limitations

Do not use Sikafloor® -32 Pronto on substrates with rising moisture. Freshly applied Sikafloor® -32 Pronto must be protected from damp, condensation and water for at least 1 hour.

Always ensure good ventilation when using Sikafloor® -32 Pronto 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 (explosion-proof).

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 Product 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 product may vary from country to country. Please consult the local Product 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 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.

EU Regulation 2004/42

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / j type **sb**) is 500 g/l (Limit 2010) for the ready to use product.

VOC - Decopaint Directive

The maximum content of **Sikafloor® -32 Pronto** is < 500 g/l VOC for the ready to use product.



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