Construction

Rapid Flooring Screeds

Solutions with Sikafloor®-Pronto Systems

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Application Guidelines

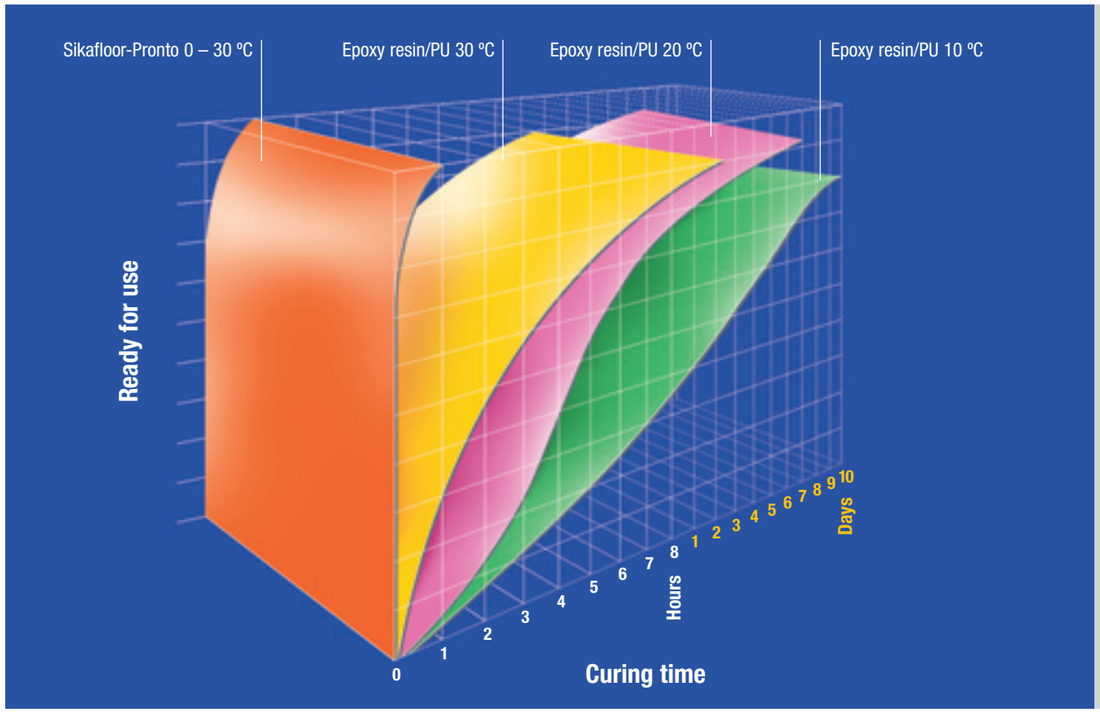
Surface Inspection
The cementitious substrate should be sound and of sufficient strength (min. 25 N/mm²). Minimum pull-off strength 1.5 N/mm². Free from grease, oil and contaminants.

Surface Preparation
All dust, loose and friable materials must be completely removed by mechanical means. Existing coatings have to be removed and mechanically ground to achieve a sound, gripping substrate.

Climatic Conditions
Minimum + 0 °C
(but min. + 3 °C above dew point)
Maximum + 30 °C
Relative humidity max. 80 %

Substrate Humidity
On young concrete slabs, cementitious screeds or damp substrates (> 4 % moisture content. Test method: Sika-Tramex or CM) use **Sikafloor®-EpoCem®.**

Additional Details
- Floor joints
- Coving, connection to gullies see in the individual Product Data Sheet



Project-related Needs and the Function of Flooring Systems

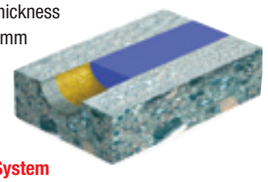
2 C	The product consists of minimum 2-components (resin and hardener). For use by trained specialists only.
M C	The product additionally consists of either a filler, a broadcast sand and/or a pigmented component to achieve a thick layer as well as colored finishes. For use by trained specialists only!
	The Sikafloor-Pronto technology allows for all applications where "minimum down-time" is required (fully using between +0 °C to +30 °C within hours).
	Mechanical resistance is defined by type (transport load, type of tyres, contact area) and frequency of exposure.
	Chemical resistance according to Product Data Sheet.
	Slip resistance is always a question of surface design. The specific environment defines the limits. Various finishes can be achieved.
	Impact resistance is related to the specific conditions of each operation. Allowance should be made for high point loads.
	Permeability to liquids. Provides an impermeable seal protecting the concrete and the ground water from leakage of water and environmental pollutants.
	Certified usage for the food industry.
	Fulfills UV resistance and resistance to yellowing even with exterior exposure.
	Multi-colour shades and surface design options available by using Sikafloor-Pronto Colorpaste and Sikafloor Colorchips.
	Different approves are combined with various types of contamination. Please ask for cleaning and maintenance recommendations according to usage.

Application Method
❶ ❷ ❸ ❹ ❺

Pourable Repair Mortar

2 C

Layer thickness
5 – 30 mm



Sika® System
Bonding bridge
Sikafloor®-13 Pronto N (A+B)

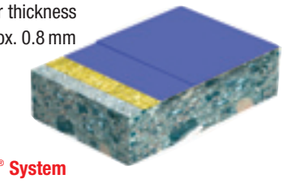
Repair mortar
Sikadur®-12 Pronto (A+B),
a 2-component PMMA-based pourable repair mortar.

Application Method ❶ ❷ ❸

Coloured high build System

M C

Layer thickness
approx. 0.8 mm



Sika® System
Primer A+B
A: **Sikafloor®-13 Pronto N**
+B: **Sika®-Pronto Hardener,**
a 2-component PMMA-based primer.

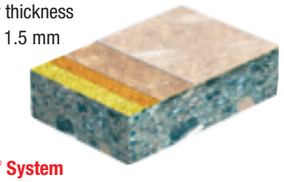
Top coat A+B+C
A: **Sikafloor®-16 Pronto N**
+B: **Sika®-Pronto Hardener**
+C: **Sikafloor®-Pronto Colorpaste,**
a 3-component PMMA-based top coat applied in 2 layers

Application Method ❹

Skid-resistant high build System

M C

Layer thickness
1.0 – 1.5 mm



Sika® System
Primer A+B
A: **Sikafloor®-13 Pronto N**
+B: **Sika®-Pronto Hardener**

Broadcast layer
Natural quartz sand broadcasted in excess.

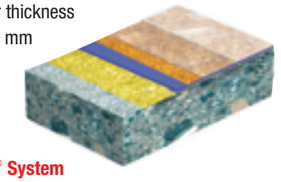
Top coat A+B+C
A: **Sikafloor®-16 Pronto N**
+B: **Sika®-Pronto Hardener**
+C: **Sikafloor®-Pronto Colorpaste,**
a 3-component PMMA-based coloured top coat applied in 2 layers

Application Method ❹ ❺ ❹

Broadcast Screed with Colour Quartz

M C

Layer thickness
2 – 4 mm



Sika® System
Primer A+B
A: **Sikafloor®-13 Pronto N**
+B: **Sika®-Pronto Hardener**

Self smoothing screed A+B+C
A: **Sikafloor®-14 Pronto N**
+B: **Sika®-Pronto Hardener**
+C: **Sikafloor®-Pronto Filler**

Broadcast layer
Coloured quartz sand; applied in excess.

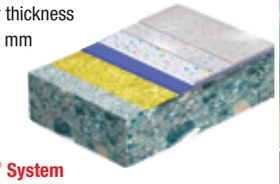
Top coat A+B
A: **Sikafloor®-16 Pronto N**
+B: **Sika®-Pronto Hardener,**
a 2-component PMMA-based transparent top coat applied in 2 layers

Application Method ❹ ❸ ❺ ❹

Coloured self smoothing Screed with Colour Chips

M C

Layer thickness
2 – 4 mm



Sika® System
Primer A+B
A: **Sikafloor®-13 Pronto N**
+B: **Sika®-Pronto Hardener**

Self smoothing screed A+B+C+D
A: **Sikafloor®-14 Pronto N**
+B: **Sika®-Pronto Hardener**
+C: **Sikafloor®-Pronto Filler**
+D: **Sikafloor®-Pronto Colorpaste**

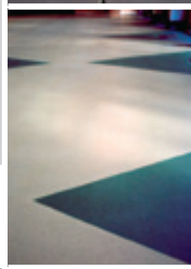
Chips layer
Sprinkled Sikafloor® Colorchips

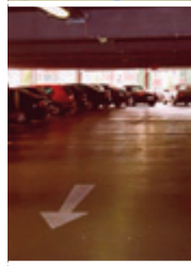
Top coat A+B
A: **Sikafloor®-16 Pronto N**
+B: **Sika®-Pronto Hardener**
applied in 2 layers

Application Method ❹ ❸ ❺ ❹

Areas of usage






Rapid Flooring Screeds

Product	Pack Size	Consumption
Pourable repair mortar (A+B)		
A: **Sikadur®-12 Pronto,** liquid	25 kg	1 mm = 2.1 kg/m²
+B: **Sikadur®-12 Pronto,** powder	2.75 kg 22.25 kg	
Primer (A+B)		
A: **Sikafloor®-13 Pronto N**	10 kg 200 kg	20 – 30 m² 400 – 600 m²
+B: **Sika® Pronto Hardener**, a peroxyde powder (dosage according to climate conditions)	5 × 0.1 kg	
Self smoothing screed (A+B+C)		
A: **Sikafloor®-14 Pronto N**	10 kg 200 kg	
+B: **Sika-Pronto Hardener** (Dosage according to climate conditions)	5 × 0.1 kg	1 mm = 1.6 kg/m²
+C: **Sikafloor® Pronto Filler** (a 0 – 0.5 mm powder mix)	22 kg	
Top coat (A+B)		
A: **Sikafloor®-16 Pronto N**	10 kg 200 kg	16 – 24 kg/m² 320 – 480 m²
+B: **Sika® Pronto Hardener** (Dosage according to climate conditions)	5 × 0.1 kg	
Optional component for coloured systems: Sikafloor® Pronto Colorpaste for Sikafloor®-14 Pronto N and Sikafloor®-16 Pronto N (a liquid 1-component colour agent)	10 × 1 kg	
Optional quartz sand for broadcast systems on Sikafloor®-14 Pronto N Natural or coloured Sika quartz sand (0.3 – 0.8 mm / 0.6 – 1.2 mm)	25 kg	6 – 8 m²
Optional colourchips on Sikafloor®-14 Pronto N **Sikafloor® Colorchips**	5 kg	
Cleaning agent for tools **Sika® Thinner C**	3 l 10 l	

Also available from Sika

Our most current General Sales Conditions shall apply. Please consult the Product Data Sheet prior to any use and processing.

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Responsible Care

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