

PRODUCT DATA SHEET

Sikafloor®-2650

Low odour fast curing smooth epoxy floor coating

DESCRIPTION

Sikafloor®-2650 is a 2-part low odour fast curing epoxy coloured roller coating that provides a hard wearing, seamless, low maintenance, smooth gloss finish.

USES

Sikafloor®-2650 may only be used by experienced professionals.

The Product is used as a:

- Smooth wearing roller coating on concrete and cementitious screed substrates

Please note:

- The Product may only be used for interior applications.

FEATURES

- Fast curing
- Good mechanical resistance
- Good impact resistance
- Good yellowing resistance
- Very good blush resistance
- Low VOC emissions
- Low odour
- Low maintenance

PRODUCT INFORMATION

Composition	Solvent free epoxy	
Packaging	Container Part A	8.5 kg or 25.5 kg
	Container Part B	1.5 kg or 4.5 kg
	Container Part A + Part B	10 kg or 30 kg ready to mix unit
	Refer to the current price list for available packaging variations.	
Shelf life	12 months from date of production	

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020811020020000263

Storage conditions	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging. Refer to the current Safety Data Sheet for information on safe handling and storage.
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Appearance and colour	Part A	coloured, liquid
	Part B	transparent, liquid
	Cured appearance	Gloss finish
Available in RAL 7032 and RAL 7035, other colours on request. Please contact Sika Customer Services for availability.		
Exposure to direct sunlight		
Note: When the product is exposed to direct sunlight, there may be some discolouration and colour variation. This has no influence on the function and performance of the coating.		

Density	Part A	~1.53 kg/l	(EN ISO 2811-1)
	Part B	~1.00 kg/l	
	Mixed Product	~1.41 kg/l	

Solid content by mass	~100 %
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Solid content by volume	~100 %
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TECHNICAL INFORMATION

Tensile adhesion strength	> 1.5 N/mm ² (failure in concrete)	(EN 1542)
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Service temperature	<p>IMPORTANT</p> <p>Simultaneous mechanical and chemical strain</p> <p>While the Product is exposed to temperatures up to +60 °C, simultaneous mechanical or chemical strain may cause damage to the Product.</p> <p>1. Do not expose the Product to chemical or mechanical strain at elevated temperatures</p>	
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APPLICATION INFORMATION

Mixing ratio	Part A : Part B (by weight)	85 : 15
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Sikafloor®-54 Booster

Note: Add between 2 % and 4 % of Sikafloor®-54 Booster, by weight of the mixed resin, to the Product to decrease the waiting times.

Consumption	Function	Consumption
	Roller coat for smooth systems	0.4–0.5 kg/m ²

Material temperature	Minimum	+8 °C
	Maximum	+23 °C

Ambient air temperature	Minimum	+8 °C
	Maximum	+30 °C

Relative air humidity	Maximum	80 % r.h.
	Minimum	20 % r.h.

Dew point	Beware of condensation. The substrate and uncured applied product must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product. Low temperatures and high humidity conditions increase the probability of blooming.
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Substrate temperature	Minimum	+8 °C
	Maximum	+23 °C

Substrate moisture content

Refer to the Product data sheets of the individual primer

Pot Life

Temperature	Without Sika-floor®-54 Booster	With 2 % Sika-floor®-54 Booster	With 4 % Sika-floor®-54 Booster
+8 °C	~90 minutes	~75 minutes	~70 minutes
+10 °C	~90 minutes	~70 minutes	~55 minutes
+15 °C	~50 minutes	~40 minutes	~35 minutes
+23 °C	~30 minutes	~15 minutes	-

IMPORTANT**Exothermic reaction**

Do not leave the mixed product in its container after the end of the pot life, as the exothermic reaction of the product leads to foaming.

1. At the end of the Product's pot life, fill the container completely with quartz sand to stop the exothermic reaction.

Applied product ready for use**WITHOUT**

Temperature	Foot traffic	Light traffic	Full cure
+8 °C	~11 hours	~16 hours	~36 hours
+10 °C	~8 hours	~14 hours	~24 hours
+15 °C	~6 hours	~7 hours	~18 hours
+23 °C	~4 hours	~6 hours	~8 hours

WITH 2 %

Temperature	Foot traffic	Light traffic	Full cure
+8 °C	~10 hours	~14 hours	~26 hours
+10 °C	~7 hours	~10 hours	~18 hours
+15 °C	~5 hours	~6 hours	~12 hours
+23 °C	~3 hours	~3 hours	~6 hours

WITH 4 %

Temperature	Foot traffic	Light traffic	Full cure
+8 °C	~9 hours	~12 hours	~24 hours
+10 °C	~6 hours	~8 hours	~12 hours
+15 °C	~4 hours	~5 hours	~8 hours

Note: Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

BASIS OF PRODUCT DATA

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.

FURTHER INFORMATION

Refer to the following method statements:

- Sika Method Statement — Sikafloor® and Sikagard® evaluation and preparation of surfaces
- Sika Method Statement — Sikafloor® mixing and application

ECOLOGY, HEALTH AND SAFETY

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

APPLICATION INSTRUCTIONS**EQUIPMENT****MIXING EQUIPMENT**

- Electric double paddle mixer (>700 W, 300 to 400 rpm)

APPLICATION EQUIPMENT

- Short pile roller

SUBSTRATE QUALITY

Cementitious substrates must be structurally sound and of sufficient compressive strength (minimum 25 N/mm²), and with a minimum tensile strength of 1.5 N/mm².

Substrates must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings, laitance, surface treatments and loose friable material.

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MIXING

IMPORTANT

Higher amounts of Sikafloor®-54 Booster at higher ambient temperatures

If more than 2 % of Sikafloor®-54 Booster is added at ambient temperatures higher than +15 °C, the exothermic reaction increases and the product will start foaming very quickly.

1. Mix Part A (resin) for ~30 seconds.
2. Add Part B (hardener) to Part A.
3. Mix continuously for 3 minutes, until a uniform mix is achieved.
4. If necessary, gradually add the required amount of Sikafloor®-54 Booster.
5. If additional materials were added, mix for a further 2 minutes until a uniform mix is achieved.
6. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
7. During the final mixing stage, scrape down the sides and bottom of the mixing container with a flat or straight edge trowel at least once to ensure complete mixing.

APPLICATION

IMPORTANT

No application on rising moisture

Do not apply on substrates with rising moisture.

IMPORTANT

Protect from moisture

After application, protect the Product from damp, condensation and direct water contact for at least 24 hours.

IMPORTANT

Temporary heating

If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish.

1. For heating, use only electric powered warm air blower systems.

IMPORTANT

Pin holes

If the Product is applied on porous substrates during rising temperatures, pin holes may form from rising air.

1. Apply the Product during falling temperatures.

IMPORTANT

Closing Pin holes

If pin holes are present after the Product has cured blistering may occur in the subsequent layer. Close any pin holes using the following steps.

1. Lightly grind the cured surface.
2. Apply a scratch coat consisting of the Product mixed with ~3 % of Sika® Extender T.

ROLLER COATING

1. Pour the mixed Product onto the substrate.

Note: The consumption is specified in Application Information.

2. Back roll the surface in two directions at right angles with a short pile roller.

Note: Maintain a "wet edge" during application for a seamless finish.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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Sikafloor-2650-en-DK-(10-2023)-5-1.pdf