

PRODUCT DATA SHEET

Sikafloor®-264 Plus Thixo

Textured epoxy coating and seal coat

DESCRIPTION

Sikafloor®-264 Plus Thixo is a 2-part, coloured, thixotropic epoxy coating. It provides a hard-wearing, seamless, textured, slip-resistant gloss finish that requires low maintenance.

USES

Sikafloor®-264 Plus Thixo may only be used by experienced professionals.

Sikafloor®-264 Plus Thixo is used as a:

- Textured top coat on concrete and cementitious screed substrates where slip resistance and easy cleanability are required.

Please note:

- The Product may only be used by experienced professionals.
- The Product may only be used for interior applications.

CHARACTERISTICS / ADVANTAGES

- Good mechanical resistance
- Good impact resistance
- Low maintenance
- Seamless
- Textured gloss finish
- Impermeable to liquids

APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 13813:2002 Screed material and floor screeds — Screed material — Properties and requirements — Synthetic resin screed material
- CE marking and declaration of performance based on EN 1504-2:2004 Products and systems for the protection and repair of concrete structures — Surface protection systems for concrete — Coating

PRODUCT INFORMATION

Chemical Base	Solvent-free epoxy	
Packaging	Container Part A	25.58 kg
	Container Part B	6 kg
	Container Part A + Part B	31.58 kg ready to mix unit (21.7L)
	Refer to the current price list for available packaging variations.	
Colour	Part A	Coloured
	Part B	Transparent
	Cured colour	RAL 1001, 7001, 7004, 7023, 7032, 7035, 7037, 7038, 7040, 7042, 5015, 3009, 3003, 1015, 1003, 7044, 9002
Shelf Life	24 months from date of production	

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 the packaging.

Refer to the current Safety Data Sheet for information on safe handling and storage.

Density	Mixed Product	1.45 kg/l	(EN ISO 2811-1)
	Part A	1.60 kg/l	
	Part B	1.01 kg/l	

Solid content by weight Total solid acc. to Deutsche Bauchemie

Colour	Part A	Liquid
	Part B	Liquid
	Cured appearance	Gloss, textured finish

TECHNICAL INFORMATION

Shore D Hardness Cured 7 days at +23 °C 78 (DIN 53505)

Tensile Adhesion Strength > 1.5 MPa (failure in concrete) (EN 1542)

APPLICATION INFORMATION

Mixing Ratio Part A : Part B (by weight) 81 : 19

Consumption Unfilled 0.5–0.8 kg/m² (~0.35-0.55L/m²)

Note: Consumption data is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level, wastage or any other variations. Apply the Product to a test area to calculate the exact consumption for the specific substrate conditions and proposed application equipment.

Product Temperature
Maximum +30 °C
Minimum +10 °C

Ambient Air Temperature
Maximum +30 °C
Minimum +10 °C

Relative Air Humidity Maximum 80 % r.h.

Dew Point Beware of condensation. The substrate and uncured applied product must be at least +3 °C above the 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.

Substrate Temperature
Maximum +30 °C
Minimum +10 °C

Substrate Moisture Content Please refer to the Product Data Sheet of the individual epoxy primer.

Pot Life
+10 °C 50 minutes
+20 °C 25 minutes
+30 °C 15 minutes

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

Waiting Time / Overcoating

Before applying non-solvented products on Sikafloor®-264 Plus Thixo allow:

Temperature	Minimum	Maximum
+10 °C	30 hours	3 days
+20 °C	24 hours	48 hours
+30 °C	16 hours	24 hours

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

Applied Product Ready for Use

Temperature	Foot traffic	Light traffic	Full cure
+10 °C	30 hours	6 days	7 days
+20 °C	24 hours	4 days	5 days
+30 °C	16 hours	2 days	3 days

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.

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 slow speed mixer (> 700 W, 300 rpm to 400 rpm)

APPLICATION EQUIPMENT

- Trowels, including serrated
- Textured roller

SUBSTRATE PREPARATION

IMPORTANT

Reduced service life due to incorrect treatment of cracks

The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.

1. For static cracks, ensure the width is suitable for overcoating with Sikafloor®-264 Plus Thixo.
2. For dynamic cracks, ensure the movement is within the movement capacity of Sikafloor®-264 Plus Thixo.

TREATMENT OF JOINTS AND CRACKS

Construction joints and existing static surface cracks in substrate require pre-treating before full layer application. Use Sikadur® or Sikafloor® resins.

SUBSTRATE CONDITION

Cementitious substrates must be structurally sound and of sufficient compressive strength (minimum 25 MPa) with a minimum tensile strength of 1.5 MPa. Substrates must be clean, dry and free of contaminants such as dirt, oil, grease, coatings, laitance, surface

treatments and loose friable material.

MECHANICAL SUBSTRATE PREPARATION

IMPORTANT

Surface defects due to voids in the substrate

Voids and blow holes in the substrate will weaken the surface and damage the covering Product if not repaired during the preparation process.

1. Fully expose blow holes and voids during surface preparation to identify the required repairs.
2. Remove weak cementitious substrates.
3. Prepare cementitious substrates mechanically using abrasive blast cleaning, abrasive planing or scarifying equipment to remove cement laitance.
4. Where thin layer resins are going to be applied, remove high spots by grinding.
5. Remove all dust, loose and friable material from the application surface with industrial vacuuming equipment.
6. Level the surface or fill cracks, blow holes and voids with products from the Sikafloor®, Sikadur® and Sikagard® range of materials.

For additional information on products for leveling and repairing defects, contact Sika® Technical Services.

MIXING

MIXING PROCEDURE

1. Mix Part A (resin) until the coloured pigment is dispersed and a uniform colour is achieved.
2. Add Part B (hardener) to Part A.
3. **IMPORTANT** Do not mix excessively. Mix Part A + B continuously for ~3 minutes until a uniformly coloured mix is achieved.
4. To ensure thorough mixing, pour materials into another container and mix again to achieve a smooth and uniform mix.
5. 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

Protect from moisture

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

IMPORTANT

Temporary moisture barrier required if substrate moisture exceeds 4 %

If the substrate moisture content measured with the CM-method is > 4 % by weight, apply a temporary moisture barrier consisting of Sikafloor® EpoCem®.

1. Contact Sika technical services for more information.

IMPORTANT

No application on rising moisture

Do not apply on substrates with rising moisture.

IMPORTANT

Broadcasting the primer layer with aggregate

Broadcasting a previous primer layer with aggregate can allow vapour from within the substrate to rise. Rising vapour can cause blisters and other surface defects in a subsequent layer of Sikafloor®-264 Plus Thixo.

1. Do not broadcast the primer layer with aggregate.

IMPORTANT

Inconsistent colouring due to colours from different control batch numbers

For consistent colour matching, make sure the Product is applied in each area from the same control batch numbers.

IMPORTANT

Damaged finish due to heating with fossil fuel heaters

Fossil fuel heaters powered by gas, oil or paraffin produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish.

1. For temporary heating, use only electrically powered warm air blower systems. Do not use gas, oil, paraffin or other fossil fuel heaters.

TEXTURED COATING

1. Pour the mixed Product onto the substrate. Note For consumption, refer to Application Information.
2. Apply the Product in two directions at right angles with a textured roller. Note Maintain a "wet edge" during application to achieve a seamless finish.

CLEANING OF TOOLS

Clean all tools and application equipment with Sika® Thinner C immediately after use. Hardened material can only be removed mechanically.

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.

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. 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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Product Data Sheet

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