BUILDING TRUST

PRODUCT DATA SHEET

Sikafloor®-264 CN

2-PART EPOXY THIN LAYER SELF-SMOOTHING COATING, TEXTURED COATING, ROLLER AND SEAL COAT

DESCRIPTION

Sikafloor®-264 CN is a two part coloured binder based on epoxy resin. Due to it's low viscosity, self-smoothing coatings as well as textured coatings, and seal coats mortar screeds and broadcast screeds can be produced.

USES

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

Roller, textured coat and thin self-smoothing coating for concrete and cement screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages and loading ramps etc.
Seal coat for broadcast systems, such as multi-storey and underground car parks, maintenance hangars and for wet process areas, e.g. in beverage industry and food industry.

CHARACTERISTICS / ADVANTAGES

- Good chemical and mechanical resistance
- Easy application
- Solvent-free
- Slip resistant surface possible

APPROVALS / STANDARDS

Meet to the requirements of GB/T 22374

PRODUCT INFORMATION

Chemical Base	Epoxy	
Packaging	Part A	20.8 kg
	Part B	5.2 kg
Appearance / Colour	Part A	Coloured, liquid
	Part B	Light brown, liquid
	Ral colours, please inquire Sika. In case of bright colour shades, e.g. yellow or orange, colour deviations may occur due to backfilling with quartz sand. Under direct sun radiation there may be some discolouration and colour deviation; this has no influence to the function and performance of the coating.	
Shelf Life	24 months	

Storage Conditions	Stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.		
Density	Part A	~ 1.60 kg/l	GB 6750-2007
	Part B	~ 1.00 kg/l	
	Mixed resin	~ 1.40 kg/l	
	All Density values at +23°C.		
Volatile Organic Compound (VOC) Content	<60g/l		GB/T 22374-2018
Solid Content by Weight	~100%		
Solid Content by Volume	~100%		
Shore D Hardness	~76		GB/T 22374-2018
Abrasion Resistance	<0.03g		GB/T 22374-2018
Compressive Strength	≥45 MPa		GB/T 22374-2018
Chemical Resistance	Resistant to many chemicals. Please ask for a detailed chemical resistance table.		
Thermal Resistance	Exposure*	Dry heat	
	Permanent	+50°C	
	Short-term max. 7 d	+80°C	
	Short-term max. 12 h	+100°C	
	Short-term moist/wet heat* up to +80°C where exposure is only occasional(steam cleaning etc.) *No simultaneous chemical and mechanical exposure.		

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 4 : 1 (by weight)		
Consumption	Texture coating(Film thickness~0.5mm)	1st layer:Sikafloor®-264 CN 2nd layer:Sikafloor®-264 CN+Extender T	0.4 - 0.5 kg/m² 0.5 - 0.8 kg/m²+1.5 - 2% (by weight)
	Self-smoothing wearing layer(Film thickness~ 1.0mm)	1 pbw Sikafloor®-264 CN 0.4 pbw quartz sand (Sikadur® 505 Q)	1.65 kg/m² mixture (1.18 kg/m² binder +0.47 kg/m² quartz sand) applied with a fine tooth trowel
	Broadcast system(Film thickness~4.0mm)	1 pbw Sikafloor®-264 CN +0.8-1 pbw quartz sand (Sikadur® 505 Q) + broadcasting quartz sand 0.4 -0.7 mm + Seal coat Sikafloor®-264 CN	2.0 kg/m² 2.0 kg/m² ~ 4.0 kg/m² ~ 0.7 kg/m²
	Note:These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc.		
Ambient Air Temperature	+10°C min. / +30°C max.		
Relative Air Humidity	80% r.h. max.		

Dew Point

Beware of condensation!
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.

Substrate Temperature

+10°C min. / +30°C max.

Substrate Moisture Content

< 4% pbw moisture content. Test method: Sika®-Tramex meter or CM - measurement.
No rising moisture according to ASTM (Polyethylene-sheet).

Pot Life

Temperatures	Time
+10°C	~ 50 minutes
+20°C	~ 25 minutes
+30°C	~ 15 minutes

Curing Time

Substrate temperature	Minimum	Maximun
+10°C	24 hours	3 days
+20°C	12 hours	2 days
+30°C	6 hours	1 day

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	~ 10 days
+20°C	~ 24 hours	~ 3 days	~ 7 days
+30°C	~ 16 hours	~ 2 days	~ 5 days

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

SYSTEM INFORMATION

Systems

Textured coating:

Primer:	1 x Sikafloor®-161 L
1st layer:	1 x Sikafloor®-264 CN
2nd layer:	1 x Sikafloor®-264 CN mixed with Extender T

Self-smoothing system 1.0 mm:

Primer:	1 x Sikafloor®-161 L
Wearing course:	1 x Sikafloor®-264 CN+ quartz sand (Sikadur® 505 Q)

Broadcast system approx. 4 mm:

Primer*:	1 x Sikafloor®-161 L
Base coat:	1 x Sikafloor®-264 CN + quartz sand (Sikadur® 505 Q)
Broadcasting:	quartz sand (0.4 - 0.7 mm) broadcast to excess
Seal coat:	1 x Sikafloor®-264 CN

Note: In cases of limited exposure and normal absorbent concrete substrates priming with Sikafloor®-161 L is not necessary.* See product information sheet Sikafloor-161 L for more details.

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.

LIMITATIONS

- Do not apply Sikafloor®-264 CN on substrates in which significant vapour pressure may occur.
- Do not blind the primer. Freshly applied Sikafloor®-264 CN must be protected from damp, condensation and water for at least 24 hours.
- Avoid puddles on the surface with the primer.

- For roller / textured coatings: Uneven substrates as well as inclusions of dirt cannot and should not be covered by thin sealer coats. Therefore both substrate and adjacent areas must always be prepared and cleaned thoroughly prior to application.Roller coat finish is not as smooth as self-leveling.
- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact color matching, ensure the Sikafloor®-264 CN in each area is applied from the same control batch numbers.

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum. Pull of strength shall not be less than 1.5 N/mm². If in doubt apply a test area first.

MIXING

Prior to mixing stir part A mechanically. When all of part B has been added to part A, continuously mix for 2 minutes until a uniform mix has been achieved. When parts A and B have been mixed, the quartz sand 0.1 - 0.3 mm and/or Extender T must be mixed with part A and B for a further 2 minutes until a uniform mix has been achieved.
To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimize air entrainment.

APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point. Sikafloor®-264 CN can be applied using a toothed trowel or pin-screed, to the desired thickness, or a steel trowel. Remove air with a spike roller. For further details please refer to the related system data sheet.

CLEANING OF TOOLS

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

CLEANING

To maintain the appearance of the floor after application, Sikafloor®-264 CN must have all spillages removed immediately and must be regularly cleaned using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques etc. using suitable detergents and waxes.

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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