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 / CERTIFICATES

Meet to the requirements of GB22374-2018

PRODUCT INFORMATION

Composition	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/	

All Density values at +23°C.

Solid content by weight	~100%	
Solid content by volume	~100%	
Volatile organic compound (VOC) content	<60g/l	GB/T 22374-2018

TECHNICAL INFORMATION

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.	

Temperature 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.

SYSTEMS

Systems

Roller coating:

Primer:	1 x Sikafloor®-161 L
Coating:	2 x Sikafloor®-264 CN

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®-263 SL 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.

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 4 : 1 (by weight)

Consumption

Coating System	Product	Consumption
Primer	Sikafloor®-161 L	0.35 - 0.55 kg/m²
Levelling(optional)	Sikafloor®-161 L levelling mortar	Refer to PDS of Sikafloor®-161 L
Roller coating	2 x Sikafloor®-264 CN	0.25 - 0.3 kg/m² for each layer
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®-263 SL 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.

APPLICATION INSTRUCTIONS

EQUIPMENT

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 EQUIPMENT

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

MAINTENANCE

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.

IMPORTANT CONSIDERATIONS

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.
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.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

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.