Product Data Sheet Edition 07/08/2008 Identification no: 02 08 01 02 013 0 000002 Sikafloor®-264 (Template for local translation, only for internal use)

Sikafloor[®]-264

2-part epoxy roller and seal coat

Sikafloor [®] -264 is a two part, economic, coloured epoxy resin.
"Total solid epoxy composition acc. to the test method of Deutsche Bauchemie "
 Roller coat for concrete and cement screeds with normal up to medium heavy wear e.g. storage and assembly halls, maintenance workshops, garages and loading ramps.
Seal coat for broadcast systems, such as multi-storey and underground car parks, maintenance hangars and for wet process areas, e.g. beverage and food industry
 Good chemical and mechanical resistance Easy application Economical Liquid proof Gloss finish Slip resistant surface possible

Product Data

Form				
Appearance / Colours	Resin - part A: Hardener - part B:			
	Extended colour ra RAL 1001, 6021, 7 Other colours on re	030, 7032, 7035, 7037, 7038, 7040, 7042, 9002		
		ght there may be some discolouration and colour variation; this n the function and performance of the coating.		
Packaging	Part A: Part B: Part A+B:	23.7 kg 6.3 kg 30 kg ready to mix unit		
	Part A: Part B: Part A+B:	220 kg drums 177 kg, 59kg drums 1 Drum Part A (220 kg) + 1 drum Part B (59 kg) = 279 kg 3 Drums Part A (220 kg) + 1 Drum Part B (177 kg) = 837 kg		



Storage

Technical Data		
Chemical Base	Ероху	
Density	Part A: ~ 1.64 kg/l Part B: ~ 1.00 kg/l Mixed resin: ~ 1.40 kg/l	(DIN EN ISO 2811-1)
	All Density values at +23°C.	
Solid Content	~ 100% (by volume) / ~ 100% (by weight)	
Mechanical / Physical Properties		
Compressive Strength	Resin: ~ 60 N/mm ² (28 days / +23°C)	(EN 196-1)
Flexural Strength	Resin: ~ 30 N/mm ² (28 days / +23°C)	(EN 196-1)
Bond Strength	> 1.5 N/mm ² (failure in concrete)	(ISO 4624)
Shore D Hardness	76 (7 days / +23°C)	(DIN 53 505)
Abrasion Resistance	70 mg (CS 10/1000/1000) (8 days / +23°C)	(DIN 53 109 (Taber Abrader Test))
Resistance		
Chemical Resistance	Resistant to many chemicals. Please ask for	r 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 whe (steam cleaning etc.)	ere exposure is only occasional
	*No simultaneous chemical and mechanical expo	sure.
System Information		
System Structure	Roller coating:Primer*:1 x Sikafloor®-161 (optiCoating:2 x Sikafloor®-264	ional)
	Textured roller coating:Primer*:1 x Sikafloor [®] -161 (optionCoating:1 - 2 x Sikafloor [®] -264 +	onal) Extender T
	Textured roller coating with improved slip rePrimer*:1 x Sikafloor®-161 (option Coating:1 x Sikafloor®-264 + Ex	s <i>istance:</i> onal) tender T + quartz sand (0.1 - 0.5 mm)

Coating:	1 x Sikafloor [®] -264 + Extender T + quartz sand (0.1 - 0.5 mm
Broadcast system a	
Primer*:	1 x Sikafloor [®] -161
Base coat:	1 x Sikafloor [®] -263 SL + quartz sand (0.1 - 0.3 mm)
Broadcasting:	quartz sand (0.4 - 0.7 mm) broadcast to excess
Seal coat:	1 x Sikafloor [®] -264

*Note: In cases of limited exposure and normal absorbent concrete substrates priming with Sikafloor[®]-161 is not necessary.

Application Details				
Consumption / Dosage	r	l	1	
	Coating System	Product	Consumption	
	Primer	Sikafloor [®] -161	0.35 - 0.55 kg/m²	
	Levelling (optional)	Sikafloor [®] -161 levelling mortar	Refer to PDS of Sikafloor [®] -161	
	Roller coating	2 x Sikafloor [®] -264	0.25 - 0.3 kg/m ² for each layer	
	Textured roller coating	1 - 2 x Sikafloor [®] -264 + Extender T	0.5 - 0.8 kg/m ² per layer	
	Textured roller coating with improved slip resistance	10 pbw Sikafloor [®] -264 + Extender T + 1 pbw quartz sand (0.1 - 0.5 mm)	0.5 - 0.8 kg/m² 0.05 - 0.07 kg/m²	
	Broadcast system (Film thickness ~ 4.0 mm)	1 pbw Sikafloor [®] -263 SL 1 pbw quartz sand (0.1 - 0.3 mm) + broadcasting quartz sand 0.4 -0.7 mm + Seal coat Sikafloor [®] -264	2.00 kg/m ² 2.0 kg/m ² ~ 6.0 kg/m ² ~ 0.7 kg/m ²	
		etical and do not allow for any e profile, variations in level ar		
Substrate Quality	The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm ²) with a minimum pull off strength of 1.5 N/mm ² .			
	The substrate must be or grease, coatings and su	clean, dry and free of all conta irface treatments, etc.	aminants such as dirt, oil,	
	If in doubt, apply a test a	area first.		
Substrate Preparation	Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.			
	Weak concrete must be must be fully exposed.	removed and surface defects	s such as blowholes and voids	
	Repairs to the substrate carried out using approp range of materials.	e, filling of blowholes/voids an priate products from the Sikaf	d surface levelling can be loor [®] , SikaDur [®] and SikaGard [®]	
	The concrete or screed even surface.	substrate has to be primed o	r levelled in order to achieve a	
	High spots must be rem	oved by e.g. grinding.		
		le material must be completel product, preferably by brush		
Application Conditions / Limitations				
Substrate Temperature	+10°C min. / +30°C max	κ.		
AmbientTemperature	+10°C min. / +30°C max	K.		
Substrate Moisture	< 4% pbw moisture cont	tent.		
Content	Test method: Sika [®] -Tra	mex meter, CM - measureme	nt or Oven-dry-method.	
	No rising moisture acco	rding to ASTM (Polyethylene	-sheet).	
Relative Air Humidity	80% r.h. max.			
Dew Point	Beware of condensatior	n!		
	The substrate and uncu risk of condensation or I		above dew point to reduce the	

Application Instructions					
Mixing	Part A : part B = 79 : 21 (by weight)				
Mixing Time	Prior to mixing, stir part A m A, mix continuously for 2 mi				
	To ensure thorough mixing achieve a consistent mix.	pour materials	into another c	ontainer and mix again to	
	Over mixing must be avoide	ed to minimise	air entrainmen	ıt.	
Mixing Tools	Sikafloor [®] -264 must be thor (300 - 400 rpm) or other sui	oughly mixed u table equipme	using a low sp nt.	eed stirrer	
Application Method / Tools	Prior to application, confirm substrate moisture content, r.h. and dew point. If > 4 ^o pbw moisture content, Sikafloor [®] EpoCem [®] may be applied as a T.M.B. (temporar moisture barrier) system.			r.h. and dew point. If > 4% ied as a T.M.B. (temporary	
	<i>Levelling<u>:</u></i> Rough surfaces need to be levelled first. Therefore use e.g. Sikafloor [®] -161 levelling mortar (see PDS).				
	<i>Coating:</i> Sikafloor [®] -264 as coating, can be applied by short-piled roller (crosswise).				
	<i>Seal coat:</i> Sealer coats can be applied by squeegee and then back-rolled (crosswise) with a short-piled roller.				
Cleaning of Tools	Clean all tools and applicati Hardened and/or cured mat				
Potlife					
	Temperatures	Temperatures Ti		Time	
	+10°C			~ 50 minutes	
	+20°C		~ 25 minutes		
	+30°C		~ 15 minutes		
Waiting Time /	Before applying Sikafloor [®] -2	264 on Sikafloo	or [®] -161 allow:		
Overcoating	Substrate temperature	Minii	mum	Maximum	
	+10°C	24 h	ours	3 days	
	+20°C		ours	2 days	
	+30°C		ours	1 day	
				,	
	Before applying Sikafloor [®] -2	264 on Sikafloo	or [®] -263 SL allo	ow:	
	Substrate temperature	Minir	mum	Maximum	
	+10°C	30 h	ours	3 days	
	+20°C	24 h	ours	2 days	
	+30°C	16 h	ours	1 day	

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

Notes on Application /	Do not apply Sikafloor [®] -264 on substrates with rising moisture.				
Limitations	Do not blind the primer.				
	Freshly applied Sikafloor [®] -264 must be protected from damp, condensation and water for at least 24 hours.				
	Avoid puddles on the	e surface with the prim	ier.		
	For areas with limited with Sikafloor [®] -161 is	d exposure and norma s not necessary for rol	ally absorbent concret ller or textured coating	e substrates priming g systems.	
	and should not be co	coatings: Uneven subsovered by thin sealer of always be prepared a	oats. Therefore both	substrate and	
	Serrated trowel for s e.g. Large-Surface S Serrated trowel for te	olier of Tools: zeuge GmbH, Phone: mooth wearing layer: Scrapper No. 565, Too extured wearing layer: or Adhesive Spreader	thed blades No. 25		
	The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.				
	For exact colour mat the same control bat	ching, ensure the Sika ch numbers.	afloor [®] -264 in each ar	ea is applied from	
	Under certain conditi lead to imprints in the	ions, underfloor heatir e resin.	ng combined with high	point loading, may	
		do not use gas, oil, p ties of both CO ₂ and			
	affect the finish. For heating use only electric powered warm air blower systems.				
Curing Details					
Applied Product ready for use					
	Temperature	Foot traffic	Light traffic	Full cure	
	+10°C	~ 72 hours	~ 6 days	~ 10 days	
	+20°C	~ 24 hours	~ 4 days	~ 7 days	
	+30°C	~ 18 hours	~ 2 days	~ 5 days	
	Note: Times are app	roximate and will be a	ffected by changing a	mbient conditions.	
Cleaning / Maintenance					
Methods	all spillages removed	earance of the floor af d immediately and mu rs, scrubber dryer, hig	st be regularly cleane	d using rotary brush,	

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

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.

Note	The following chapter is only mandatory	/ for European countries.
CE Labelling	The harmonized European Standard EN 13 - Screed materials - Properties and require materials for use in floor construction interr	ments" specifies requirements for scree
	Structural screeds or coatings, i.e. those th of the structure, are excluded from this star	•
	Resin floor systems as well as cementitious They have to be CE-labelled as per Annex requirements of the given mandate of the C	ZA. 3, Table ZA.1.5 and 3.3 and fulfil th
	CE	
	Sika Deutschland Gmb Kornwestheimerstraße 10 D - 70439 Stuttgart	
	07 ¹⁾	
	EN 13813 SR-B1,5-AR1-IR 4	
	Resin screed/coating for indoors in building (systems as per Product Data Sheet)	js
	Reaction to fire:	E _{fl} ²⁾
	Release of corrosive substances (S ynthetic R esin Screed):	NPD ²⁾
	Water permeability:	NPD ²⁾
	Abrasion Resistance:	AR1 ⁴⁾
	Bond strength:	B 1,5
	Impact Resistance:	NPD
	Sound insulation:	NPD
	Sound absorption:	NPD
	Thermal resistance:	NPD
	Chemical resistance:	NPD

³⁾ No performance determined.

⁴⁾ Not broadcast with sand.

*)

Please fill in your relevant producer address

Note	The following chapter is only mandatory for European countries.			
CE Labelling	The harmonized European Standard EN protection and repair of concrete structure control and evaluation of comformity – Pa concrete" gives specifications for products various principles presented under EN 15	es – Definitions, requirements, q irt 2 : Surface protection systems s and systems used as methods	uality s for	
	Products which fall under this specificatio 1, Tables ZA.1a to ZA 1g according to the indicated, and fulfil the requirements of th Products Directive (89/106):	e scope and relevant clauses the	ere	
	Here below indicated are the minimum perstandard. For the specific performance re please see the actual values above in the	sults of the product to the partic		
	()			
	0921			
	Sika Deutschland GmbH Kornwestheimerstraße 103-107 D - 70439 Stuttgart		⇐ *	
	081)			
	0921–CPD–2017			
	EN 1504-2			
	Surface Protection	Product		
	Coating ²)			
	Abrasion resistance (Taber test):	< 3000 mg		
	Permeability to CO ₂ :	S _D > 50 m		
	Permeability to water vapour:	Class III		
	Capillary absorption and permeability to water:	<i>w</i> < 0.1 kg/m ² x h ^{0,5}		
	Resistance to severe chemical attack: ³⁾	Class I		
	Impact resistance:	Class I		
	Adhesion strength by pull-off test:	≥ 2.0 N/mm²		
	Fire Classification: ⁴⁾	E _{fl}		
	0,	¹⁾ Last two digits of the year in which the marking was affixed.		
		²⁾ Tested as a part of a system build-up with Sikafloor [®] -161.		
	 ³⁾ Please refer to the Sikafloor[®] Chemical Resistance Chart. ⁴⁾ Min. classification, please refer to the individual test certificate. 			
	²⁷ Min. classification, please refer to the in	dividual test certificate.		
	*) Please fill in your relevant proc	lucer address.		
EU Regulation 2004/42 VOC - Decopaint	According to the EU-Directive 2004/42, th (Product category IIA / j type sb) is 550 / to use product.			
Directive	The maximum content of Sikafloor [®] -264	is < 500 g/l VOC for the ready to	use	



Sika Services AG Tüffenwies 16 CH-8048 Zurich Switzerland

product.

Phone +41 44 436 40 40 Telefax +41 44 436 46 86 wwww.sika.com

