

DECLARATION OF PERFORMANCE

Sikafloor-3240

0208120400200000081008

1	UNIQUE IDENTIFICATION of the product-type:	Sikafloor-3240
2	INTENDED USE/ES or intended uses of the construction product in accordance with the applicable harmonized technical specification of the manufacturer:	2-part, solvent free, coloured, self-smoothing PUR resin with tough-elastic properties. Principles 2, 5, 6, 8 - methods 2.2, 5.1, 6.1, 8.2 of EN 1504-2 According to EN 13813 SR-B2,0-AR0-IR4
3	MANUFACTURER registered trade name or registered trade mark and contact address of the manufacturer under Article 11, paragraph 5:	Sika Deutschland GmbH Kornwestheimer Straße 103-107 D - 70439 Stuttgart Germany
4	SYSTEMS OF AVCP System or systems of assessment and verification of constancy of performance (AVCP) of the construction according to CPR, Annex V:	EN 1504-2: System 2+ (for uses in buildings and civil engineering works) EN 1504-2: System 3 (für Verwendungszwecke, die Vorschriften zum Brandverhalten unterliegen) EN 13813: System 4 (for internal uses)
5	HARMONIZED STANDARD	EN 1504-2: 2004 EN 13813: 2002
6	NOTIFIED BODY/BODIES In the case of the declaration of performance (DoP), which relates to a construction product, covered by a harmonized standard:	0921 Notified factory production control certification body No. 0921 QDB performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control under system 2+ and issued the certificate of conformity of the factory production control (FPC) 0921-CPR-2017

Notified Body MPA Dresden number 0767 performed the determination of reaction to fire class on the basis of type testing under system 3 and issued test report: 20150909/01

7 DECLARED PERFORMANCES

Tested as a part of a system build-up with Sikafloor-161 and Sikafloor-3240 filled with 50% of quartz sand 0.1-0.3mm.

8 TABLE 1: PERFORMANCE IN SYSTEM ACCORDING TO EN 1504-2

Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonized technical specification
Linear shrinkage:	NPD	System 2+	EN 1504-2: 2004
Compressive strength:	NPD		
Thermal expansion coefficient:	NPD		
Abrasion resistance ¹⁾ :	weight loss < 3000 mg		
Cross cut	NPD		
Permeability to CO ₂	NPD		
Water vapor permeability:	Class III		
Capillary absorption and permeability to water:	$w < 0,1 \text{ kg}/(\text{m}^2 \times \text{h}^{0,5})$		
Thermal compatibility:	NPD		
Resistance to thermal shock	NPD		
Chemical resistance	NPD		
Resistance to severe chemical attack ²⁾ :	Class I		
Crack bridging ability:	NPD		
Impact resistance:	Class I		
Adhesion strength by pull off test	$\geq 1,5 (1,0)^{3)} \text{ N}/\text{mm}^2$		
Reaction to fire	E _{fl}	System 3	
Skid resistance	NPD	System 2+	
Artificial weathering	NPD		
Antistatic behavior	NPD		
Adhesion to wet concrete	NPD		
Release of dangerous substances	NPD		

¹⁾ Additionally the requirements according to EN 13813 have to be fulfilled

²⁾ Please refer to the Sikafloor Chemical Resistance Chart

³⁾ The value in brackets is the lowest accepted value of any reading.

TABLE 2: PERFORMANCE ACCORDING TO EN 13813

Essential characteristics	Performance	System of assessment and verification of constancy of performance	Harmonized technical specification
Reaction to fire:	E _{fl} ¹⁾	System 4	EN 13813: 2002
Release of corrosive substances	SR		
Water permeability	NPD		
Wear resistance	≤ ARO ²⁾		
Bond strength	≥ B2,0		
Impact resistance	≥ IR4		
Sound insulation	NPD		
Sound absorption	NPD		
Thermal resistance	NPD		
Chemical resistance	NPD		

¹⁾ According to Commission Decision 2010/85/EU of 9 February 2010 the product fulfils the reaction-to-fire performance class E/Efl without further testing

²⁾ Min. classification, please refer to the individual test certificate.

	
Sika Deutschland GmbH Plant 1008 15 0208120400200000081008 EN 13813:2002	
2-part, solvent free, coloured, self-smoothing PUR resin with tough-elastic properties. According to EN 13813 SR-B2,0-AR0-IR4	
Essential characteristics	Performance
Reaction to fire	E_{fl}
Release of corrosive substances	SR
Water permeability	NPD
Wear resistance	\leq AR0
Bond strength	\geq B2,0
Impact resistance	\geq IR4
Sound insulation	NPD
Sound absorption	NPD
Thermal resistance	NPD
Chemical resistance	NPD

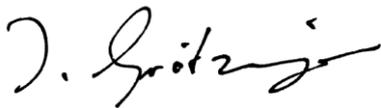
	
0921 Sika Deutschland GmbH Plant 1008 15 0208120400200000081008 EN 1504-2:2004	
2-part, solvent free, coloured, self-smoothing PUR resin with tough-elastic properties.	
Essential characteristics	Performance
Linear shrinkage	NPD
Compressive strength	NPD
Thermal expansion coefficient	NPD
Abrasion resistance	weight loss < 3000 mg
Cross cut	NPD
Permeability to CO ₂	NPD
Water vapor permeability	Class III
Capillary absorption and permeability to water	$w < 0,1$
Thermal compatibility	NPD
Resistance to thermal shock	NPD
Chemical resistance	NPD
Resistance to severe chemical attack	Class I
Crack bridging ability	NPD
Impact resistance	Class I
Adhesion strength by pull off test	$\geq 1,5 (1,0) \text{ N/mm}^2$
Reaction to fire	E_{fl}
Skid resistance	NPD
Artificial weathering	NPD
Antistatic behavior	NPD
Adhesion to wet concrete	NPD
Release of dangerous substances	NPD

9 APPROPRIATE TECHNICAL DOCUMENTATION

Product Data Sheet: Nr. 3467
Performance without further testing: Reaction to fire class E_{fl}

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305*2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Jochen Grötzing
Research and Development



Martin Rolfes
Marketing



Dr. Heinz Ephardt
Quality control

Stuttgart, 2015 September 4th

HEALTH AND SAFETY INFORMATION

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

LEGAL NOTES

This information and, in particular, the suggestions relating to the application and end-use of our products, are based on our knowledge and experience in normal use, providing the products have been properly stored and applied. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of results achieved or liability arising out of any legal relationship whatsoever, can be inferred either from this information or from any advice offered by spoken word, unless we have been deliberately at fault or guilty of gross negligence. The user shall be required to prove that he has duly and in full extent submitted to Sika in writing all information necessary for Sika to make a fair and proper assessment. The user must test the products' suitability for the intended application and purpose. Sika reserves the right to change the product specifications. The proprietary rights of third parties must be observed. Orders are accepted subject to our current terms and conditions of sale and delivery. The most recent edition of the Product Data Sheet shall apply, copies of which should be requested from us.

FOR FURTHER INFORMATION:

Sika Deutschland GmbH
Kornwestheimer Str. 103-107
70439 Stuttgart

Telefon +49-711 80 09-0
Telefax +49-711 80 09-321
www.sika.de

© 2013 Sika Services AG

Declaration of Performance
Sikafloor-3240
2015-09-04 Version 2
Identification No. 0208120400200000081008