

Sikafloor[®]-81 EpoCem

DECLARATION OF PERFORMANCE

Nr. 38003587

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	38003587
2	INTENDED USE/S:	EN 1504-3:2005 Product for Structural and non-structural repair for concrete Applying mortar by hand (3.1) Recasting with concrete (3.2) Spraying concrete or mortar (3.3) Structural strengthening by adding mortar or concrete (4.4) Increasing cover to reinforcement with additional cementitious mortar or concrete (7.1) Replacing contaminated concrete (7.2)
3	MANUFACTURER:	Sika Deutschland GmbH Kornwestheimer Str. 103 - 107 70439 Stuttgart
4	AUTHORISED REPRESENTATIVE:	
5	SYSTEM/S OF AVCP:	System 2+ (for uses in buildings and civil engineering works) System 3 (for uses subject to reaction to fire regulations)
6a	SYSTEM/S OF AVCP:	EN 1504-3:2005
	Notified body/ies:	0370 0767

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DECLARED PERFORMANCE/S:

Tested system: Sikafloor® EpoCem Modul as primer and 1 x Sikafloor®-81 EpoCem

Essential Characteristics	Performance	AVCP	Harmonised Technical Specification
Compressive strength:	Class R4	System 2+	EN 1504-3:2005
Chloride ion content:	≤ 0,05%	System 2+	
Adhesive bond:	≥ 2,0 MPa	System 2+	
Restrained Shrinkage / Expansion ¹⁾ :	≥ 2,0 MPa	System 2+	
Carbonation Resistance ^{2) 3)} :	dk ≤ control concrete (MC(0,45))	System 2+	
Elastic modulus:	NPD	System 2+	
Thermal Compatibility freeze-thaw:	NPD	System 2+	
Skid resistance:	Class III	System 2+	
Coefficient of thermal expansion:	15,2 µm/m °C	System 2+	
Capillary Absorption:	≤0,5 kg x m ⁻² x h ^{-0,5}	System 2+	
Reaction to fire ⁴⁾ :	A2	System 2+	
Dangerous substances:	NPD	System 2+	

¹⁾ Only relevant for repair of reinforced concrete

²⁾ Not required if thermal cycling is undertaken

³⁾ Not required if the repair product includes a surface protection surface with proven protection against carbonation (EN 1504-2) or is a PC mortar

⁴⁾ Relevant to PC only

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**8 APPROPRIATE TECHNICAL DOCUMENTATION AND/OR -
SPECIFIC TECHNICAL DOCUMENTATION**

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:

Name : Anders Beier
Function: General Manager
At Farum on 07 April 2020



Name : Jens Berger
Function: Head Flooring and Refurbishment
At Farum on 07 April 2020



End of information as required by Regulation (EU) No 305/2011

RELATED DECLARATION OF PERFORMANCE

Product name	Harmonised standard	DoP number
Sikafloor®-81 EpoCem	EN 13813:2002	15868550
Sikafloor®-81 EpoCem	EN 1504-2:2004	60460760

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DoP No. 38003587

Sika Deutschland GmbH, Stuttgart

EN 1504-3:2005

Notified Body 0370, 0767

Product for Structural and non-structural repair for concrete - Applying mortar by hand (3.1), Recasting with concrete (3.2), Spraying concrete or mortar (3.3), Structural strengthening by adding mortar or concrete (4.4), Increasing cover to reinforcement with additional cementitious mortar or concrete (7.1), Replacing contaminated concrete (7.2)

Compressive strength:	Class R4
Chloride ion content:	$\leq 0,05\%$
Adhesive bond:	$\geq 2,0$ MPa
Restrained Shrinkage / Expansion:	$\geq 2,0$ MPa
Carbonation Resistance:	$dk \leq$ control concrete (MC(0,45))
Skip resistance:	Class III
Coefficient of thermal expansion:	$15,2 \mu\text{m}/\text{m } ^\circ\text{C}$
Capillary Absorption:	$\leq 0,5 \text{ kg x m-2x h-0,5}$
Reaction to fire:	A2

<http://dop.sika.com>

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ECOLOGY, HEALTH AND SAFETY INFORMATION (REACH)

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.

LEGAL NOTE

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or endusers of the product have been given in good faith based on our own experiences and based of approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise..

FOR FURTHER INFORMATION:

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www.sika.dk

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