



EN 1504-2:2004  
 EN 1504-3:2005  
 En 13813

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2116

## DECLARATION OF PERFORMANCE

### Sikafloor®-81 EpoCem

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#### EN 13813:2002

<b>1. Product Type:</b> Unique identification code of the product-type:	<b>Sikafloor® -</b>
<b>2. Type</b> batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):	<b>81 EpoCem, batch nr refer to packaging</b>
<b>3. Intended use</b> or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	<b>3-part cement and epoxy combination mortar for self-smoothing floor screeds of 1.5 to 3 mm.</b>  <b>EN 13813 CT - C50 - F10 - A9</b>
<b>4. Name, registered trade name</b> or registered trade mark and contact address of the manufacturer as required under Article 11(5):	<b>Sikafloor® -</b> <b>Sika, SAU</b> <b>Crta. De Fuencarral, 72</b> <b>28108 Alcobendas</b> <b>Madrid – Spain</b>
<b>5. Contact Address:</b> Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):	<b>See 4</b>
<b>6. AVCP:</b> System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V:	<b>System 4</b>
<b>7. Notified body (hEN):</b> In case of the declaration of performance (DoP) concerning a construction product covered by a harmonised standard:	

Declaration of Performance



<p><b>8. Notified body (ETA):</b>          In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued:</p>	<p>Not relevant (refer to item 7)</p>
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**9. Declared performance**

Essential characteristics	Performance	Test Standard	Harmonised technical specification
<p>Release of corrosive substances            (Synthetic Resin Screed):</p>	<p>CT</p>	<p>EN 13813</p>	<p>EN 13813</p>
<p>Abrasion Resistance:</p>	<p>A9</p>	<p>EN 13892-4</p>	
<p>Compressive strength</p>	<p>C50</p>	<p>EN 13892-2</p>	
<p>Flexural strength:</p>	<p>F10</p>	<p>EN 13892-2</p>	
<p>Sound insulation:</p>	<p>NPD</p>	<p>EN ISO 140-1</p>	
<p>Sound absorption:</p>	<p>NPD</p>	<p>EN ISO 354</p>	
<p>Thermal resistance:</p>	<p>NPD</p>	<p>EN 12664</p>	
<p>Chemical resistance</p>	<p>NPD</p>	<p>EN 13529</p>	



<p><b>1. Product Type:</b> Unique identification code of the product-type:</p>	<p><b>Sikafloor®-</b></p>
<p><b>2. Type</b> batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):</p>	<p><b>81 EpoCem, batch nr refer to packaging</b></p>
<p><b>3. Intended use</b> or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:</p>	<p><b>It is used as a Temporary Moisture Barrier (TMB) (min. 2 mm thick) allowing the application of Epoxy, Polyurethane and PMMA (see notes on Applications /limitations in product data sheet) resin floors requiring dry substrates, over high moisture content substrates, even green concrete, for a lasting solution. Principles 2, 5, 8 of EN 1504-2 Principles 3,7 of EN 1504-3</b></p>
<p><b>4. Name, registered trade name</b> or registered trade mark and contact address of the manufacturer as required under Article 11(5):</p>	<p><b>Sikafloor®- Sika, SAU Crta. De Fuencarral, 72 28108 Alcobendas Madrid – Spain</b></p>
<p><b>5. Contact Address:</b> Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):</p>	<p><b>See 4</b></p>
<p><b>6. AVCP:</b> System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V:</p>	<p><b>System 2+</b></p>
<p><b>7. Notified body (hEN):</b> In case of the declaration of performance (DoP) concerning a construction product covered by a harmonised standard:</p>	<p><b>2116</b> Notified factory production control certification body No. 2116 SCERT performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control (FPC) 0101.</p>



<p><b>8. Notified body (ETA):</b>          In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued:</p>	<p>Not relevant (refer to item 7)</p>
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**9. Declared performance**

Essential characteristics	Performance	Test Standard	Harmonised technical specification
Abrasion resistance	Weight loss < 3000mg H22, 1000c, 1000gr	EN ISO 5470-1	EN 1504-2: 2004
Permeability to water vapour	Class I: $S_D < 5 \text{ m}^{-1}$	EN ISO 7783-1	
Capillary absorption and permeability to water	< 0,1 kg.m <sup>-2</sup> .h <sup>-0.5</sup>	EN 1062-3	
Impact resistance	After loading no cracks or delamination Class III: ≥ 20Nm	EN ISO 6272-1	
Adhesion strength by pull-off test	(horizontal with trafficking) ≥ 2.0 N/mm <sup>2</sup>	EN 1542	
<b>Compressive strength</b>	<b>Class R4</b>	<b>EN 12190</b>	EN 1504-3: 2005
Chloride Ion Content	≤ 0.05 %	EN 1015-17	
Adhesive Bond	≥ 2.0 MPa	EN 1542	
Restrained Shrinkage / Expansion	≥ 2.0 MPa	EN 12617-4	
Carbonation Resistance	$d_k \leq$ control concrete (MC(0.45))	EN 13295	
Thermal Compatibility freeze-thaw	≥ 2.0 MPa	EN 13687-1	
Skid Resistance	Class III > 55 units wet tested	EN 13036-4	
Coefficient of thermal expansion	13.1 μm / m °C	EN 1770	
Reaction to fire	A2 <sub>(fl)</sub> S1	EN 13501-1	

1) No performance determined



## 10. Declaration

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Julia Gómez Díaz  
Technical Department

Ángel González Lucas  
General Manager

Alcobendas, February 2013

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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.**

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### Legal note:

This information is 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.

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For Further Information:  
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