



EN 1504-2: 2004  
 EN 13813: 2002

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0086

## DECLARATION OF PERFORMANCE

### Sikafloor®-31 PurCem

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EN 13813:2002

<b>1. Product Type:</b> Unique identification code of the product-type:	<b>Sikafloor® 31</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>31 Purcem</b> (Batch No See packaging)
<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>Multicomponent polyurethane modified, cement and aggregate screed suitable for floors subject to heavy loading, abrasion and chemical exposure.</b>  <b>EN 13813 CT – C40 – F7 – AR0.5</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® 31 PurCem®</b>  <b>Sika Limited</b> <b>Watchmead</b> <b>Welwyn Garden City</b> <b>Hertfordshire</b> <b>AL7 1BQ</b> <b>United Kingdom</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>Not Relevant (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:	<b>Manufacturer performed Initial Type Testing under AVCP System 4 type.</b>

Declaration of Performance



**8. Notified body (ETA):**

In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued:

**Not relevant (see 7)**

**9. Declared performance**

Essential characteristics	Performance	Test Standard	Harmonised technical specification
Reaction to Fire*	E <sub>fl</sub>	EN 13501-1	EN 13813:2002
Release of corrosive substances (Cementitious Screed):	CT	EN 13813	
Water permeability:	NPD <sup>1)</sup>	EN 1062-3	
Water vapour permeability	NPD	EN 12086	
Compressive strength*	C40	EN 13892-2	
Flexural strength*	F7	EN 13892-4	
Wear Resistance*:	AR 0,5	EN 13892-4	
Sound insulation:	NPD	EN ISO 140-1	
Sound absorption:	NPD	EN ISO 354	
Thermal resistance:	NPD	EN 12664	
Chemical resistance	NPD	EN 13529	

\*According to Commission Decision 2010/85/EU of 9 February 2010 the product fulfils the reaction-to-fire performance class E/E<sub>fl</sub> without further testing



**EN 1504-2 :2004**

<p><b>1. Product Type:</b> Unique identification code of the product-type:</p>	<p><b>Sikafloor® 31</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>31 Purcem</b> (Batch No See packaging)</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>Multicomponent polyurethane modified, cement and aggregate screed suitable for floors subject to heavy loading, abrasion and chemical exposure.</b></p> <p><b>Principles 5.1 and 6.1 of EN 1504-2</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® 31 PurCem®</b></p> <p><b>Sika Limited Watchmead Welwyn Garden City Hertfordshire AL7 1BQ United Kingdom</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>Not Relevant (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>0086</b></p> <p><b>Notified factory production control certification body No. 0086 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) 541325</b></p>

**8. Notified body (ETA):**  
 In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued:

**Not relevant (see 7)**

**9. Declared performance**

Essential characteristics	Performance	Test Standard	Harmonised technical specification
Abrasion resistance*	<3000 mg	EN ISO 5470-1	EN 1504-2: 2004
Capillary absorption and permeability to water	$w < 0.1 \text{ kg}/[\text{m}^2 \times \text{h}^{0.5}]$	EN 1062-3	
Resistance to severe chemical attack*	Class II	EN 13529	
Impact resistance*	Class III: $\geq 20\text{Nm}$	EN 6272-1	
Adhesion strength by pull-off test	$\geq 2.0 \text{ N}/\text{mm}^2$	EN 1542	

\* Denotes Sikafloor 31 Purcem overcoating Sikafloor 29 Purcem



**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:



Colin Hurley  
R&D Manager



Simon Clark  
Product Manager

Welwyn Garden City. 05. 2014

**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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety related data.

**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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Certificate No. EMS 4308



Certificate No. FM 12504