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# Sikadur®-31+

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## DECLARATION OF PERFORMANCE

### No. 96198030

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1	<b>UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:</b>	96198030
2	<b>INTENDED USE/S</b>	EN 1504-4:2004 Structural bonding products for bonded plate reinforcement and bonded mortar or concrete for use in buildings and civil engineering works
3	<b>MANUFACTURER:</b>	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	<b>AUTHORISED REPRESENTATIVE:</b>	
5	<b>SYSTEM/S OF AVCP:</b>	System 2+ for type testing System 3 for reaction to fire
6a	<b>HARMONISED STANDARD:</b>	EN 1504-4:2004
	Notified body/ies:	0099 0370 (for reaction to fire)

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## 7 DECLARED PERFORMANCE/S

Essential Characteristics	Performance	AVCP	Harmonised Technical Specification
Bond/adhesion strength (concrete failure) – EN 12188	Pull off strength: $\geq 14$ N/mm <sup>2</sup> Slant shear strength at degree: 50° $\sigma_0 \geq 50$ N/mm <sup>2</sup> 60° $\sigma_0 \geq 60$ N/mm <sup>2</sup> 70° $\sigma_0 \geq 70$ N/mm <sup>2</sup>	System 2+	EN 1504-4:2004
Bond/adhesion strength (concrete failure) – EN 12636	Pass	System 2+	
Shear adhesion	$\geq 12$ N/mm <sup>2</sup>	System 2+	
Compressive strength	$\geq 30$ N/mm <sup>2</sup>	System 2+	
Shrinkage/expansion	$\leq 0.1$ %	System 2+	
Workability	$\geq 45$ min	System 2+	
Sensitivity to water	Pass	System 2+	
Modulus of elasticity	NPD	System 2+	
Coefficient of thermal expansion	$\leq 100 \times 10^{-6}$ per K	System 2+	
Glass transition temperature	$\geq 40$ °C	System 2+	
Reaction to fire	C-s1, d0 / B <sub>FL</sub> -s1	System 3	
Durability	Pass	System 2+	
Dangerous substances	NPD	System 2+	

\*NPD - No performance determined

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

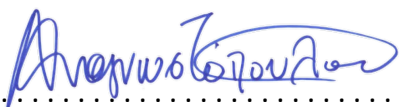
The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Name : Nikos Anagnostopoulos  
Function: Target Market Manager  
Refurbishment  
At Athens on 18 September 2022

Name : Aggeliki Zacharopoulou  
Function: QEHS Manager

At Athens on 18 September 2022

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

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## RELATED DECLARATION OF PERFORMANCE

Product Name	Harmonised technical specification	DoP Number
Sikadur®-31+	EN 1504-3:2005	65116670

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Sika Services AG, Zurich, Switzerland	
96198030	
EN 1504-4:2004	
Notified Body 0099, 0370	
Structural bonding products for bonded plate reinforcement and bonded mortar or concrete for use in buildings and civil engineering works	
Bond/adhesion strength (concrete failure)  Shear adhesion  Compressive strength  Shrinkage/expansion  Workability  Coefficient of thermal expansion  Glass transition temperature  Reaction to fire	Pull off strength: $\geq 14 \text{ N/mm}^2$ Slant shear strength at degree: $50^\circ \sigma_0 \geq 50 \text{ N/mm}^2$ $60^\circ \sigma_0 \geq 60 \text{ N/mm}^2$ $70^\circ \sigma_0 \geq 70 \text{ N/mm}^2$  $\geq 12 \text{ N/mm}^2$  $\geq 30 \text{ N/mm}^2$  $\leq 0.1 \%$  $\geq 45 \text{ min}$  $\leq 100 \times 10^{-6} \text{ per K}$  $\geq 40^\circ \text{C}$  C-s1, d0 / B <sub>FL</sub> -s1

<http://dop.sika.com>

### 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

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 Sikas 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 products 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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