

# Sikasil® SG-500

## DECLARATION OF PERFORMANCE

### No. 15754339

<b>1</b>	<b>UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:</b>	15754339
<b>2</b>	<b>INTENDED USE/S</b>	ETA-03/0038/ ETAG 002 Part 1 Edition November 1999 (Revised March 2012) used as EAD Structural sealant for use in structural sealant glazing kits
<b>3</b>	<b>MANUFACTURER:</b>	Sika Services AG Tüffenwies 16-22 8064 Zürich
<b>4</b>	<b>AUTHORISED REPRESENTATIVE:</b>	
<b>5</b>	<b>SYSTEM/S OF AVCP:</b>	System 1 for SSGS kit Types II and IV, System 2+ for SSGS kit Types I and III
<b>6b</b>	<b>EUROPEAN ASSESSMENT DOCUMENT:</b>	Guideline for European technical approval of "Structural sealant glazing systems", ETAG 002 Edition November 1999 (Revised March 2012) Part 1: "Supported and unsupported systems", used as European Assessment Document (EAD) according to Article 66 Paragraph 3 of Regulation (EU) No 305/2011.
	European Technical Assessment:	ETA-03/0038 of 16/03/2014
	Technical Assessment Body:	Deutsches Institut für Bautechnik (DIBt)
	Notified body/ies:	0757

#### Declaration of Performance

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## 7 DECLARED PERFORMANCE/S

The assessment of the fitness for use of the structural sealants for the intended use in relation to the basic requirements for construction works are carried out in accordance with ETAG 002 - Part 1.

Basic requirements for construction works		
BWR1	Mechanical resistance and stability	See BWR4
BWR2	Reaction to fire	NPD
BWR3	Dangerous substances	NPD
BWR4	Design stress in tension $\sigma_{des}$	0.14 MPa
	Design stress in dynamic shear $\tau_{des}$	0.105 MPa
	Design stress in static shear $\tau_{\infty}$	0.0105 MPa
	Characteristic stress at rupture-tension $R_{u,5}$	0.84 MPa
	Characteristic stress at rupture-dynamic shear $R_{u,5}$	0.63 MPa
	Modulus of elasticity in tension or compression tangential to the origin $E_0$	1.5 MPa
	Modulus of elasticity in shear tangential to the origin $G_0$	0.5 MPa
	Working time (at 23°C, 50% R.H.)	20 minutes
	Tack-free time (at 23°C, 50% R.H.)	120 to 240 minutes
	Time before transport of the bonded frame	7 days
	Identification characteristic:	
	Specific mass (mixed at 13/1 ratio) $V_{mean}$	$1.36 \pm 0.025 \text{ g/cm}^3$
	Hardness Shore A	Mean of 39 (minimum of 34)
Thermogravimetric analysis	Curve kept in the technical file of the European Technical Assessment	
Colour	Black	
BWR5	Protection against noise	NPD
BWR6	Thermal conductivity $\lambda$	0.35 W/(m K)
BWR7	Sustainable use of natural resources	NPD

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

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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:

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Name: Ulli Mueller  
Function: Head Market Field  
Engineering  
At Peschiera Borromeo on 25  
September 2019

Name: Caterina Malanchini  
Function: CFO Manager  
At Peschiera Borromeo on 25 September  
2019

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

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## CE MARKING

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Sika Services AG, Zurich, Switzerland	
15754339	
ETAG 002 Part 1 Edition November 1999 (Revised March 2012) used as EAD	
Notified Body 0757	
Structural sealant for use in structural sealant glazing kits	
Design stress in tension $\sigma_{des}$	0.14 MPa
Design stress in dynamic shear $\tau_{des}$	0.105 MPa
Design stress in static shear $\tau_{\infty}$	0.0105 MPa
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Hardness Shore A	Mean of 39 (minimum of 34)
Thermogravimetric analysis	Curve kept in the technical file of the ETA
Colour	Black
Thermal conductivity	0.35 W/(m K)
<a href="http://dop.sika.com">dop.sika.com</a>	

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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

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 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 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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**BUILDING TRUST**

