

Sikasil® SG-550

DECLARATION OF PERFORMANCE

No. 60241468

1	UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	60241468
2	INTENDED USE/S	ETA-11/0392/ ETAG 002 Part 1 Edition March 2012 used as EAD Structural Sealant Glazing Kit: Structural Sealant
3	MANUFACTURER:	Sika Services AG Tüffenwies 16-22 8064 Zürich
4	AUTHORISED REPRESENTATIVE:	
5	SYSTEM/S OF AVCP:	System 1 for SSGS kit Types II and IV, System 2+ for SSGS kit Types I and III
6b	EUROPEAN ASSESSMENT DOCUMENT:	Guideline for European technical approval (ETAG) No. 002 Structural Sealant Glazing Systems (SSGS) - Part 1: Structural Sealant Glazing System, edition March 2012, used as European Assessment Document (EAD)
	European Technical Assessment:	ETA-11/0392 of 08/11/2016
	Technical Assessment Body:	Österreichisches Institut für Bautechnik
	Notified body/ies:	0757

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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		
BWR2	Reaction to fire	NPD
BWR3	Dangerous substances	NPD
BWR4	Design stress in tension σ_{des}	0.20 MPa
	Design stress in dynamic shear τ_{des}	0.13 MPa
	Design stress in static shear τ_{∞}	0.013 MPa
	Elastic modulus in tension or compression E_0	1.87 MPa
	Elastic modulus in shear tangential to G_0	0.63 MPa
	Elastic modulus in tension at 12,5% elongation $K_{12.5}$	5.60 MPa
	Resistance to tearing	1.13
	Colour	black
	Working time at 23°C 50 % RH	approx. 10 min
	Tack free time at 23°C 50 % RH	150 min
	Minimum time before transportation of the bonded unit	3 days
	Specific mass V_{mean}	1.34 kg/l
	Hardness A	55
	Thermogravimetric analysis	Curve kept in ETA technical file
Water vapour permeability	19.0 ± 0.3 g/(m ² *24h)	
Gas (Argon) permeability (2 mm foil)	0.923 ± 0.04 g/ m ² h	
BWR6	Thermal conductivity	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**

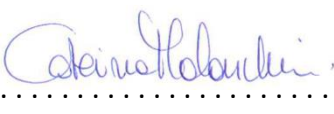
The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Name: 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	
60241468	
ETAG 002 Part 1 Edition March 2012 used as EAD	
Notified Body 0757	
Structural Sealant Glazing Kit: Structural Sealant	
Design stress in tension σ_{des}	0.20 MPa
Design stress in dynamic shear τ_{des}	0.13 MPa
Design stress in static shear τ_{∞}	0.013 MPa
Elastic modulus in tension or compression E_0	1.87 MPa
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Minimum time before transportation of the bonded unit	3 days
Specific mass V_{mean}	1.34 kg/l
Hardness A	55
Thermogravimetric analysis	Curve kept in ETA technical file
Water vapour permeability	$19.0 \pm 0.3 \text{ g}/(\text{m}^2 \cdot 24\text{h})$
Gas (Argon) permeability (2 mm foil)	$0.923 \pm 0.04 \text{ g}/\text{m}^2 \text{ h}$
Thermal conductivity λ	0.35 W/(m K)
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.

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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