

# Sikasil® SG-20

## DECLARATION OF PERFORMANCE

### No. 15323048

1	<b>UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:</b>	15323048
2	<b>INTENDED USE/S</b>	ETA-06/0090/ ETAG 002, edition 2000, used as European Assessment Document (EAD) Structural sealant for use in structural sealant glazing systems
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 1 for SSGS kit Types II and IV, System 2+ for SSGS kit Types I and III
6b	<b>EUROPEAN ASSESSMENT DOCUMENT:</b>	ETAG 002, edition 2000, used as European Assessment Document (EAD)
	European Technical Assessment:	ETA-06/0090 of 13/01/2016
	Technical Assessment Body:	Centre Scientifique et Technique du Bâtiment (CSTB)
	Notified body/ies:	0757

#### Declaration of Performance

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## 7 DECLARED PERFORMANCE/S

Basic requirements for construction works		
BWR1	Mechanical resistance and stability	NPD
BWR2	Reaction to fire	NPD
BWR3	Dangerous substances	NPD
BWR4	Design stress in tension $\sigma_{des}$	0.17 MPa
	Design stress in dynamic shear $\tau_{des}$	0.12 MPa
	Design shear stress under permanent load $\Gamma_{\infty}$	0.012 MPa
	Elastic modulus in tension or compression $E_0$	1.05 MPa
	Elastic modulus in shear tangential to $G_0$	0.35 MPa
	Secant stiffness in tension at 12.5% elongation $K_{12.5}$	2.1 MPa
	Resistance to tearing	1.1 Use category 1
	Colour	black / grey / white
	Skinning time at 23°C, 50 % RH	approx. 15 min
	Tack free time at 23°C, 50 % RH	approx. 160 min
	Curing time at 23°C, 50 % RH	≈ 2.5 mm / 24 h ≈ 4.5 mm / 72 h
BWR5	Protection against noise	NPD
BWR6	Thermal conductivity $\lambda$	0.35 W/(m K)
BWR7	Sustainable use of natural resources	NPD

## 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	
15323048	
ETAG 002 Part 1 Edition November 1999 (Revised March 2012) used as EAD	
Notified Body 0757	
Structural sealant for use in structural sealant glazing systems	
Design stress in tension $\sigma_{des}$	0.17 MPa
Design stress in dynamic shear $\tau_{des}$	0.12 MPa
Design shear stress under permanent load $\Gamma_{\infty}$	0.012 MPa
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Curing time at 23°C, 50 % RH	≈ 2.5 mm / 24 h ≈ 4.5 mm / 72 h
Thermal conductivity $\lambda$	0.35 W/(m K)
<a href="http://dop.sika.com">dop.sika.com</a>	

## 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 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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