

Evidence of Performance

Safety in use of a sealant including product identification
as per ETAG 002-1

Test Report

No. 19-000976-PR01

(PB-K09-09-en-04)



Client	Momentive Performance Materials Silicones BV Plasticslaan 1 4612 PX Bergen op Zoom Netherlands	Basis *) EOTA-ETAG 002-01 3rd Amend- ment 2012-05 Replaces test report 49-000976- PR01 (PB-K09-09-en-03) dated 20.02.2020
Product	2-component silicone sealant	Instructions for use The results obtained can be used as evidence in accordance with the above basis.
Substrate A	Floatglass according to EN 572-2	
Substrate B	Anodized aluminium, anodizing made by company: no information Colour: E6/EV1	
Sealant	SSG4650 Momentive Performance Materials silicones BV, NL-4612 PX Bergen op Zoom	
Special features	-/-	Validity The data and results given relate solely to the tested and de- scribed product. Testing the adhesion/cohesion properties does not allow any statement to be made on further characteristics of the tested seal- ant regarding performance and quality.
Results	The sealant SSG4650 was tested for safety in use in accordance with the requirements of ETAG 002-1.	

Notes on publication

The ift-Guidance Sheet "Condi-
tions and Guidance for the Use
of ift Test Documents" applies.
The document may only be pub-
lished in full.

Contents

The report contains a total of 39
page/s and annex (1 page).

ift Rosenheim

16.09.2020

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Material Testing



Test Report No. 19-000976-PR01 (PB-K09-09-en-04) dated 16.09.2020

Client: Momenive Performance Materials Silicones BV, 4612 PX Bergen op Zoom (Netherlands)

Compilation of the results of testing a sealant according to ETAG 002-1

Project-No.
19-000976-PR01

Task No.
19-000976

Client
Momenive Performance
Materials Silicones BV

Basis of test
EOTA-ETAG 002-
01 3rd Amendment 2012-05
Structural Sealant Glazing Kits
(SSGK) - Part 1: Supported and
Unsupported Systems

Test equipment used
see single results

Test specimen
SSG4650

Test specimen n°
48693,48789

Date of test
20 January 2020

Responsible test engineer
Monika Hutter

Testing personnel
Stefan Schwarz,
Monika Hutter,
Jennifer Seyfang

Deviations from test methods
none

Test according ETAG No	Verification procedure requirements and und characteristical values	Result	Evaluation according ETAG 002-1
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Initial mechanical strength

5.1.4.1.1	Tension +23 °C		
	secant stiffness at 12,5 %	$K_{12,5 Z+23} =$	3,24 MPa
	characteristic breaking stress	$R_{u,5 Z+23} =$	1,21 MPa
	average breaking stress	$X_{mean Z+23} =$	1,34 MPa
	rupture (≥ 90 % cohesive)	$=$	100 % cohesive
	Tension -20 °C		
	secant stiffness at 12,5 %	$K_{12,5 Z-20} =$	3,32 MPa
	characteristic breaking stress	$R_{u,5 Z-20} =$	1,62 MPa
	average breaking stress	$X_{mean Z-20} =$	1,71 MPa
	$\Delta X_{mean} (\geq 0,75)$	$\Delta X_{mean Z-20} = X_{mean Z-20} / X_{mean Z+23} =$	1,28
	rupture (≥ 90 % cohesive)	$=$	100 % cohesive
	Tension +80 °C		
5.1.4.1.2	secant stiffness at 12,5 %	$K_{12,5 Z+80} =$	3,16 MPa
	characteristic breaking stress	$R_{u,5 Z+80} =$	0,96 MPa
	average breaking stress	$X_{mean Z+80} =$	1,12 MPa
	$\Delta X_{mean} (\geq 0,75)$	$\Delta X_{mean Z+80} = X_{mean Z+80} / X_{mean Z+23} =$	0,84
	rupture (≥ 90 % cohesive)	$=$	100 % cohesive
	Shear +23 °C		
	characteristic breaking stress	$R_{u,5 S+23} =$	0,89 MPa
	average breaking stress	$X_{mean S+23} =$	1,04 MPa
	rupture (≥ 90 % cohesive)	$=$	100 % cohesive
	Shear -20 °C		
	characteristic breaking stress	$R_{u,5 S-20} =$	1,44 MPa
	average breaking stress	$X_{mean S-20} =$	1,68 MPa
	$\Delta X_{mean} (\geq 0,75)$	$\Delta X_{mean S-20} = X_{mean S-20} / X_{mean S+23} =$	1,62
	rupture (≥ 90 % cohesive)	$=$	100 % cohesive
	Shear +80 °C		
	characteristic breaking stress	$R_{u,5 S+80} =$	0,72 MPa
	average breaking stress	$X_{mean S+80} =$	0,79 MPa
	$\Delta X_{mean} (\geq 0,75)$	$\Delta X_{mean S+80} = X_{mean S+80} / X_{mean S+23} =$	0,76
	rupture (≥ 90 % cohesive)	$=$	100 % cohesive