SCHÜCO

Schüco SoftSlide

PVC-U systems
Windows and doors

Schüco product performance certificate

In accordance with DIN EN 14351-1:2016-12

No. KS1007820_EN-01
Valid until 01.02.2025

System	Schüco SoftSlide
Special features	- / -
Product families	1 Sliding window type 01
Frame material	PVC-U

Features	Class/value
Resistance to wind load	Up to C2 / B3
Resistance to snow and permanent loads	Not relevant**
Fire behaviour	Not relevant**
Watertightness	Up to 6A
Hazardous substances	In accordance with EN14351-1 section 4.6
Impact resistance	Class 2
Load-bearing capacity of the safety devices	npd
Height and width	Not relevant**
Ability to release	Not relevant**
Sound reduction	npd
Heat transfer coefficient	*
Radiation properties	CE marking for glazing
Air permeability	Class 4
Operating forces	Class 1
Mechanical strength	Class 4
Ventilation	*
Bullet resistance	npd
Blast resistance	npd
Mechanical durability test	Class 2
Behaviour between different climates	npd
Burglar resistance	npd

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Basis

EN 14351-1 (2006-03)
Windows and external doors
The Schüco performance certificate shows the performance characteristics of the systems named with their product families as per the specifications of the product standard.
The national building regulations and contractual arrangements apply to the use of the performance characteristics.

Publication instructions

The Schüco International KG license conditions and conditions of use shall apply.

* Project-specific certification – if necessary
** Not mandatory for windows (external doors/roof windows only)
*** Only applies to windows with integrated ventilation devices
**** Certification in accordance with country of destination

Weißenfels, 28/1/2019

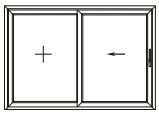
p.p.

M. Herbst
Spokesman for the Executive Management Board

p.p.

C. Fischer
Head of Technology

1. Performance matrix in accordance with product standard EN 14351-1

No	Properties in accordance with EN 14351-1	Product family 1	Product family 2	Product family 3
		 Sliding window type 01		
4.2	Resistance to wind load	Up to C2 / B3		
4.3	Resistance to snow and permanent load	Not relevant		
4.4	Fire behaviour	Not relevant		
4.5	Watertightness	6A		
4.6	Hazardous substances	See EN 14351-1 section 4.6		
4.7	Impact resistance	Class 2		
4.8	Load-bearing capacity of the safety devices	npd		
4.9	Height and width (external doors only)	Not relevant		
4.10	Ability to release (external doors only)	Not relevant		
4.11	Sound reduction	npd		
4.12	Thermal transmittance U_w (W/(m²K))	U_w values must be calculated based on the standard dimensions 1.23 m x 1.48 m or 1.48 m x 2.18 m or for specific projects.		
4.13	Radiation properties	Must be provided for each project by means of CE markings for the glazing.		
4.14	Air permeability	Class 4		
4.16	Operating forces (with manually operated windows only)	Class 1		
4.17	Mechanical strength	Class 4		
4.18	Ventilation	Project-specific certification		
4.19	Bullet resistance	npd		
4.20	Blast resistance	npd		
4.21	Resistance to repeated opening and closing	Class 2		
4.22	Behaviour between different climates	npd		
4.23	Burglar resistance	npd		

Note 1 npd: no performance determined

Note 2 The numerical data in brackets is for information purposes only.

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2. System features and performance characteristics of the product families

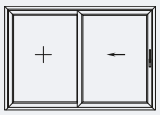
2.1 Product family 1

2.1.1 Description of system features for product family 1

Series	**Schüco SoftSlide**
Options	**Sliding window type 01**
Frame material	PVC-U
Profile depth	74 mm / 50 mm
Frame assembly	Outer frame / vent frame mitre-cut and welded
Rebate construction	
Outer frame gasket, external	For Panorama 7221, rolled in glazing gasket, mitred, welded
Centre joint	Brush seal 24467100 and Q-Lon gasket 24467200 square-cut
Vent gasket, outside and inside	Rolled in brush seal and glazing gasket, mitred, welded
Rebate drainage	By means of 5 mm x 35 mm slots in accordance with the fabrication guidelines
Pressure equalisation	By means of 5 mm x 35 mm slots or 8 mm drill holes in accordance with the fabrication guidelines
Fittings	Tested with: Sliding window type 01 ROTO sliding fitting Supplier ROTO Frank AG
Glazing	Glass thicknesses from 4 mm to 28 mm
Glazing gasket, outside	Rolled in 2-component gasket (tèfabloc), mitre-cut and welded
Glazing gasket, inside	Co-extruded gasket with lips, PVC-P, mitre-cut and joined
Pressure equalisation	By means of 5 mm x 35 mm slots or 8 mm drill holes in accordance with the fabrication guidelines

2.1.2 Overview of performance characteristics for product family 1

Opening types
Sliding window type 01



Extract from product standard EN 14351-1		Type, design	Proof (See 3. for details)	Value/class	Area of application
4.2	**Resistance to wind load**	sliding window, type 01 Unit size: 1804 x 2056 mm	Test report 21-002748-PR01 ift Rosenheim	C2 / B3	Transfer to -100% of the frame width and frame height of the test specimen
4.3	**Resistance to snow and permanent load**			Not relevant	
4.4	**Fire behaviour**			Not relevant	
4.5	**Watertightness**	sliding window, type 01 Unit size: 1804 x 2056 mm	Test report 21-002748-PR01 ift Rosenheim	6A	Transfer to -100% to +50% of the total area of the test specimen, in accordance with the maximum distances between locking points with the same or a similar format (ratio of height to width)
4.6	**Hazardous substances**			npd	
4.7	**Impact resistance**	Sliding window type 01 Unit size: 1800 x 2156 mm	Test report 19-004786-PR04 ift Rosenheim	2	
4.8	**Load-bearing capacity of the safety devices**			npd	
4.9	**Height and width (external doors only)**			Not relevant	
4.10	**Ability to release (external doors only)**			Not relevant	
4.11	**Sound reduction**			npd	
4.12	**Thermal transmittance U_w ($W/(m^2K)$)**	Cross sections with moving/fixed parts (vent/outer frame profile combination and centre joint)	U_f value certificate in accordance with DIN EN 10077 Part 2	U_f = 1.4 - 2.3 $W/(m^2K)$	The U_w values must be calculated based on the standard dimensions 1.23 m x 1.48 m or 1.48 m x 2.18 m or for specific projects in accordance with the processes described in Point 2.12 of this document. Transfer regulations for standard dimensions: for dimensions 1.23 m x 1.48 m, Uw value for the window ≤ 2.3 m^2 can be used; or for all windows if Ug ≤ 1.9 W/m^2K Standard dimensions: 1.48 m x 2.18 m U_w value for windows > 2.3 m^2
4.13	**Radiation properties**	All test specimens	See CE marking for glazing	Project-specific certification	
4.14	**Air permeability**	sliding window, type 01 Unit size: 1804 x 2056 mm	Test report 21-002748-PR01 ift Rosenheim	4	Transfer to -100% to +50% of the total area of the test specimen, in accordance with the maximum distances between locking points with the same or a similar format (ratio of height to width)
4.16	**Operating forces (with manually operated windows only)**	sliding window, type 01 Unit size: 1804 x 2056 mm	Test report 21-002748-PR01 ift Rosenheim	1	Transfer to -100% of the total area of the test specimen with the same or a similar format (ratio of height to width) when using the same type of fittings and same design

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Extract from product standard EN 14351-1		Type, design	Proof (See 3. for details)	Value/class	Area of application
4.17	 **Mechanical strength**	sliding window, type 01 Unit size: 1800 x 2156 mm	Test report 19-004786-PR02 ift Rosenheim	4	Transfer to -100% of the total area of the test specimen with the same or a similar format (ratio of height to width) when using the same type of fittings and same design
4.18	 **Ventilation**		Project-specific certification	If required	
4.19	 **Bullet resistance**			npd	
4.20	 **Blast resistance**			npd	
4.21	 **Resistance to repeated opening and closing**	sliding window, type 01 Unit size: 1800 x 2156 mm	Test report 19-004786-PR03 ift Rosenheim	2	
4.22	 **Behaviour between different climates**			npd	
4.23	 **Burglar resistance**			npd	

3. Details on listed test documentation

The original test reports serve as verification. You can obtain them via the internet at: www.schueco.de

Test report No. Test institute	Date	Valid to	Type of test	Underlying standards
19-004786-PR02	2020-10-16	Until updated	Mechanical loading	EN 13115:2001-07
19-004786-PR03	2020-11-10	Until updated	Resistance to repeated opening and closing	EN 13115:2001-07 EN 12400:2002-10
19-004786-PR04	2020-11-10	Until updated	Impact resistance	EN 13049:2003-04
21-002748-PR01	2021-06-25	Until updated	Resistance to wind load, watertightness, air permeability, operating forces	prEN14351:2006+A2:2016-09

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Appendix 1 Test, calculation and classification standards in accordance with EN 14351-1

No		Properties in accordance with EN 14351-1	Test or calculation standard	Classification standard
4.2		**Resistance to wind load**	EN 12211	EN 12210
4.3		**Resistance to snow and permanent load**	National regulations	
4.4		**Fire behaviour**	EN 13501-1	EN 13501-1
4.5		**Watertightness**	EN 1027	EN 12208
4.6		**Hazardous substances**	National regulations	
4.7		**Impact resistance**	EN 13049	
4.8		**Load-bearing capacity of the safety devices**	EN 14609	Threshold value
4.9		**Height and width (external doors only)**	Measured values	
4.10		**Ability to release (external doors only)**	EN 179, EN 1125, EN 1935, prEN 13633, EN 13637	
4.11		**Sound reduction**	EN ISO 140-3, EN ISO 717-1	Measured values
4.12		**Thermal transmittance U_w (W/(m²K))**	EN ISO 10077-1:2006 Table F.1 / Table F.3, EN ISO 10077-2, EN ISO 12567-1, EN ISO 12567-2	Measured values
4.13		**Radiation properties**	EN 410, EN 13363-1, EN 13363-2	Measured values
4.14		**Air permeability**	EN 1026	EN 12207
4.16		**Operating forces (with manually operated windows only)**	EN 12046-1	EN 13115
4.17		**Mechanical strength**	EN 14608, EN 14609, EN 12046-1	EN 13115
4.18		**Ventilation**	EN 13141-1	Measured values
4.19		**Bullet resistance**	EN 1523	EN 1522
4.20		**Blast resistance**	EN 13124-1, EN 13124-2	EN 13123-1, EN 13123-2
4.21		**Resistance to repeated opening and closing**	EN 1191	EN 12400
4.22		**Behaviour between different climates**	ENV 13420 window EN 1121 entrance door	EN 12219 entrance door Pending for windows
4.23		**Burglar resistance**	ENV 1628, ENV 1629, ENV 1630	ENV 1627

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