



Schüco LivingSlide

PVC-U systems




Windows and doors

Schüco product performance certificate

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

No. KS1008444_EN-01
Valid until 01.02.2025

System	Schüco LivingSlide
Special features	-/-
Product families	1. Lift-and-slide door type 01 2. Lift-and-slide door type 01 TopAlu 3. Lift-and-slide door type 01 Panorama 4. Lift-and-slide door type 02 5. Lift-and-slide door type 06
Frame material	PVC-U

Features	Class/value
 Resistance to wind load	Up to C3/B3
 Resistance to snow and permanent loads	Not relevant**
 Fire behaviour	Not relevant**
 Watertightness	Up to 8A
 Hazardous substances	In accordance with EN14351-1 section 4.6
 Impact resistance	npd
 Load-bearing capacity of the safety devices	npd
 Height and width	Not relevant**
 Ability to release	Not relevant**
 Sound reduction	$R_{w}(C;Ctr)$ to 45 (-1;-3) dB
 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

Weißenfels, 02/09/2019
p.p.



M. Herbst
Spokesman for the Executive Management Board

PVC-U systems

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Basis

DIN EN 14351-1:2016-12

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

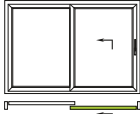
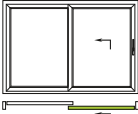
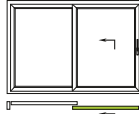

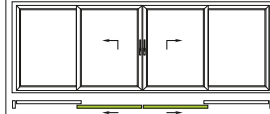





















npd no performance determined

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	Product family 4	Product family 5
		 Lift-and-slide door type 01	 Lift-and-slide door type 01 TopAlu	 Lift-and-slide door type 01 Panorama	 Lift-and-slide door type 02	 Lift-and-slide door type 06
4.2	 Resistance to wind load	C3/B3 C2/B3	C3/B3	C3/B3	C3/B3	C2/B2
4.3	 Resistance to snow and permanent load	Not relevant	Not relevant	Not relevant	Not relevant	Not relevant
4.4	 Fire behaviour	Not relevant	Not relevant	Not relevant	Not relevant	Not relevant
4.5	 Watertightness	8A	4A	8A	5A	6A
4.6	 Hazardous substances	See EN 14351-1 section 4.6				
4.7	 Impact resistance	npd	npd	npd	npd	npd
4.8	 Load-bearing capacity of the safety devices	Not relevant	Not relevant	Not relevant	Not relevant	Not relevant
4.9	 Height and width (external doors only)	Not relevant	Not relevant	Not relevant	Not relevant	Not relevant
4.10	 Ability to release (external doors only)	Not relevant	Not relevant	Not relevant	Not relevant	Not relevant
4.11	 Sound reduction	Up to 45 (-2;-5) dB	npd	npd	npd	npd
4.12	 Thermal transmittance U_w (W/(m ² K))	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	Class 4	Class 4	Class 3	Class 4
4.16	 Operating forces (with manually operated windows only)	Class 1	npd	npd	npd	Class 1
4.17	 Mechanical strength	Class 4	npd	npd	npd	npd
4.18	 Ventilation	Project-specific certification				
4.19	 Bullet resistance	npd	npd	npd	npd	npd
4.20	 Blast resistance	npd	npd	npd	npd	npd
4.21	 Resistance to repeated opening and closing	Class 2	npd	npd	npd	This property has been tested on the test specimen of product family 1 by way of example.
4.22	 Behaviour between different climates	npd	npd	npd	npd	npd
4.23	 Burglar resistance	RC2	npd	npd	npd	npd

Note 1 npd: no performance determined

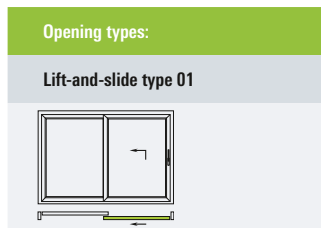
2. System features and performance characteristics of the product families

2.1 Product family 1











2.1.1 Description of system features for product family 1

Series	Schüco LivIngSlide
Options	Type 01 – 1 sliding vent/1 fixed vent
Frame material	PVC-U
Profile depth	194 mm/82 mm
Frame assembly	Lift-and-slide frame trim profile screwed with frame trim connector 25864400; vent frame mitre-cut and welded
Rebate construction	
Frame trim gasket, outside	Sealing profile 25897400/29520100, square-cut and butt-joined Supplier: Schüco Polymer Technologies KG
Centre joint	Sealing profile 25289700/25289800, EPDM, sealing profile 25897400/29520100 Supplier: Schüco Polymer Technologies KG
Vent gasket, outside and inside	Sealing profile 25289500/25289600, EPDM with corner sealing piece 25864100/25864200, square-cut, butt-joined and bonded Supplier: Schüco Polymer Technologies KG
Rebate drainage	Lift-and-slide door type 01 Via threshold On each vent, 5 mm x 35 mm slots towards the bottom, on the left and right-hand side, approx. 20 mm from the corner and in the centre, with a max. distance between slots of 600 mm
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area
Fittings	Tested with: Lift-and-slide door type 01 Schüco lift-and-slide Supplier: Schüco Polymer Technologies KG
Glazing	Multi-pane insulating glass, glass thicknesses from 24 mm to 52 mm
Glazing gasket, outside	Sealing profile, EPDM, mitre-cut and welded Supplier: Schüco Polymer Technologies KG
Glazing gasket, inside	Sealing profile, PVC-P, mitre-cut and joined Supplier: Schüco Polymer Technologies KG
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area

2.1.2 Overview of performance characteristics for product family 1



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	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 18-000656-PR01 ift Rosenheim	C3/B3	Transfer to -100% of the frame width and frame height of the test specimen.	
			Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2632 mm Vent size: 2000 mm x 2500 mm	Test report 18-000084-PR02 ift Rosenheim	C2/B3		
4.3		Resistance to snow and permanent load			Not relevant		
4.4		Fire behaviour			Not relevant		
4.5		Watertightness	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 18-000656-PR01 ift Rosenheim	8A	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).	
			Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2632 mm Vent size: 2000 mm x 2500 mm	Test report 18-000084-PR02 ift Rosenheim	8A		
4.6		Hazardous substances			npd		
4.7		Impact resistance			npd		
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	Lift-and-slide door with a sliding vent and fixed light Unit size: 4000 mm x 2300 mm Vent size: 1965 mm x 2010 mm			Dimensions can be transferred to alternative window formats in accordance with Section B.4 from Appendix B, EN 14351-1, glazing changed in accordance with Section B.2 from Appendix B, EN 14351-1	
			Glazing:	<ul style="list-style-type: none"> ▪ LSG SI4.4 / 12 / 4 / 12 / LSG SI4.4 ▪ SGG Climatop XN Silence 44/47 ▪ R_w insulating glass 47 dB 	Test report 18-001821-PR01 V3 ift Rosenheim		R _w (C;Ctr) = 42 (-2;-5) dB
				<ul style="list-style-type: none"> ▪ 6 / 16 / 4 ▪ SGG Climatop N Acoustic 26/36 ▪ R_w insulating glass 36 dB 	Test report 18-001821-PR01 V4 ift Rosenheim		R _w (C;Ctr) = 35 (-2;-5) dB
				<ul style="list-style-type: none"> ▪ 6 / 16 / 6 ▪ SGG Climatop N 28/33 ▪ R_w insulating glass 33 dB 	Test report 18-001821-PR01 V5 ift Rosenheim		R _w (C;Ctr) = 33 (-1;-4) dB
				<ul style="list-style-type: none"> ▪ LSG SI 4.4 / 12 / 4 / 12 / 6 ▪ SGG Climatop N Silence 42/42 ▪ R_w insulating glass 42 dB 	Test report 18-001821-PR01 V7 ift Rosenheim		R _w (C;Ctr) = 39 (-2;-5) dB
				<ul style="list-style-type: none"> ▪ 6 / 12 / 4 / 12 / 4 ▪ SGG Climatop N Acoustic 38/36 ▪ R_w insulating glass 36 dB 	Test report 18-001821-PR01 V8 ift Rosenheim		R _w (C;Ctr) = 36 (-2;-6) dB
				<ul style="list-style-type: none"> ▪ LSG SI4.4 / 12 / 6 / 12 / LSG SI4.4 ▪ SGG Climatop XN Silence 50/50 ▪ R_w insulating glass 50 dB 	Test report 18-001821-PR01 V9 ift Rosenheim		R _w (C;Ctr) = 45 (-2;-5) dB

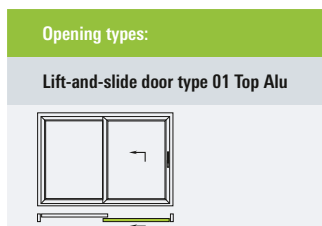
Extract from product standard EN 14351-1		Type, design	Proof (See 3. for details)	Value/class	Area of application	
4.12		Thermal transmittance U_w ($W/(m^2K)$)	System U_i value Cross sections in accordance with system description Glazing thickness, 44 mm	Calculation in accordance with EN ISO 10077-2	$U_i = 1.3 W/(m^2K)$	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, U_w value for the window $\leq 2.3 m^2$ can be used; or for all windows if $U_g \leq 1.9 W/m^2K$ Standard dimensions: 1.48 m x 2.18 m U_w value for windows $> 2.3 m^2$
4.14		Air permeability	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 18-000656-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).
			Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2636 mm Vent size: 2000 mm x 2500 mm	Test report 18-000084-PR02 ift Rosenheim		
4.16		Operating forces (with manually operated windows only)	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 18-000656-PR02 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 the same number of or fewer locking points.
4.17		Mechanical strength	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 18-000656-PR01 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	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 18-000656-PR02 ift Rosenheim	2	Transfer to -100% of the total area of the test specimen in accordance with the maximum tested vent weight, with similar W/H side ratios and when using the same type of fittings and same design.
4.22		Behaviour between different climates			npd	
4.23		Burglar resistance	Lift-and-slide door with a sliding vent and fixed light Unit size: 2490 mm x 2532 mm Vent size: 1800 mm x 2400 mm	Test report EH-19-02-26-01 2618293 EPH Dresden	RC2/RC2N	Transfer to -20% and +10% of the total area of the test specimen when using the same type of fittings and same design.

2.2 Product family 2




2.2.1 Description of system features for product family 2

Series	Schüco LivIngSlide
Options	Type 01 TopAlu – 1 sliding vent/1fixed vent
Frame material	PVC-U/aluminium cover cap, external
Profile depth	194 mm/82 mm
Frame assembly	Lift-and-slide frame trim profile screwed with frame trim connector 25864400; vent frame mitre-cut and welded
Frame trim	Trim with aluminium cover cap 147397000, butt-joined, clipped in Supplier: Schüco Polymer Technologies KG
Vent	Sliding vent with aluminium cover cap 147398000, fixed vent with aluminium cover cap 147398000, butt-joined, clipped in Supplier: Schüco Polymer Technologies KG
Rebate construction	
Frame trim gasket, outside	Sealing profile 28660300/28660400, butt-joined Supplier: Schüco Polymer Technologies KG
Centre joint	Sealing profile 25289700/25289800 EPDM, sealing profile 28660300/28660400, external Sealing profile 25897400/29520100, internal Supplier: Schüco Polymer Technologies KG
Vent gasket, outside and inside	Sealing profile 25289500/25289600, EPDM with corner sealing piece 25864100/25864200, square-cut, butt-joined and bonded Supplier: Schüco Polymer Technologies KG
Rebate drainage	Lift-and-slide door type 01 Via threshold On each vent, 5 mm x 35 mm slots towards the bottom, on the left and right-hand side, approx. 20 mm from the corner and in the centre, with a max. distance between slots of 600 mm
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area
Fittings	Tested with: Lift-and-slide door type 01 Schüco lift-and-slide Supplier: Schüco Polymer Technologies KG
Glazing	Multi-pane insulating glass, glass thicknesses from 24 mm to 52 mm
Glazing gasket, outside	Sealing profile, EPDM, mitre-cut and joined Supplier: Schüco Polymer Technologies KG
Glazing gasket, inside	Sealing profile, PVC-P, mitre-cut and joined Supplier: Schüco Polymer Technologies KG
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area

2.2.2 Overview of performance characteristics for product family 2



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	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 18-000656-PR03 ift Rosenheim	C3/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			npd	
4.5	Watertightness	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 18-000656-PR03 ift Rosenheim	4A	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			npd	
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	Type in accordance with EN 14351-1:2006 + A2:2016	Project-specific certification	If required	
4.12	Thermal transmittance U_w ($W/(m^2K)$)	See Point 4.12 in table 2.1.1			
4.13	Radiation properties	All test specimens	See CE marking for glazing	Project-specific certification	
4.14	Air permeability	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 18-000656-PR03 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)	This property has been tested on the test specimen of product family 1 by way of example.	Test report 18-000656-PR02 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 the same number of or fewer locking points.
4.17	Mechanical strength	This property has been tested on the test specimen of product family 1 by way of example.	Test report 18-000656-PR01 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	

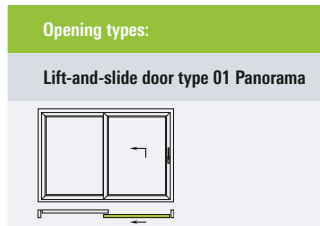
Extract from product standard EN 14351-1		Type, design	Proof (See 3. for details)	Value/class	Area of application
4.21	 Resistance to repeated opening and closing	This property has been tested on the test specimen of product family 1 by way of example.	Test report 18-000656-PR02 ift Rosenheim	2	Transfer to -100% of the total area of the test specimen in accordance with the maximum tested vent weight, with similar W/H side ratios and when using the same type of fittings and same design.
4.22	 Behaviour between different climates			npd	
4.23	 Burglar resistance			npd	

2.3 Product family 3






2.3.1 Description of system features for product family 3

Series	Schüco LivIngSlide
Options	Type 01 Panorama – 1 sliding vent/1 fixed vent
Frame material	PVC-U
Profile depth	194 mm/82 mm
Frame assembly	Lift-and-slide frame trim profile screwed with frame trim connector 25864400; vent frame mitre-cut and welded
Vent	Fixed vent profile 82/32 Art. No. 19726...
T-profile	T-profile at centre joint 82/61 Art. No. 19728...
Rebate construction	
Frame trim gasket, outside	Sealing profile 25897400/29520100, square-cut and butt-joined Supplier: Schüco Polymer Technologies KG
Centre joint	Sealing profile 25289700/25289800 EPDM, sealing profile 25897400/29520100 Supplier: Schüco Polymer Technologies KG
Vent gasket, outside and inside	Sealing profile 25289500/25289600, EPDM with corner sealing piece 25864100/25864200, square-cut, butt-joined and bonded Supplier: Schüco Polymer Technologies KG
Rebate drainage	Lift-and-slide door type 01 Via threshold On each vent, 5 mm x 35 mm slots towards the bottom, on the left and right-hand side, approx. 20 mm from the corner and in the centre, with a max. distance between slots of 600 mm
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area
Fittings	Tested with: Lift-and-slide door type 01 Schüco lift-and-slide Supplier: Schüco Polymer Technologies KG
Glazing	Multi-pane insulating glass, glass thicknesses from 24 mm to 52 mm
Glazing gasket, outside	Sealing profile, EPDM, mitre-cut and welded Supplier: Schüco Polymer Technologies KG
Glazing gasket, inside	Sealing profile, PVC-P, mitre-cut and joined Supplier: Schüco Polymer Technologies KG
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area

2.3.2 Overview of performance characteristics for product family 3



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	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 19-002796-PR01 ift Rosenheim	C3/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			npd	
4.5	Watertightness	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 19-002796-PR01 ift Rosenheim	8A	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			npd	
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	Type in accordance with Appendix B.2, EN 14351-1:2006	Project-specific certification	If required	
4.12	Thermal transmittance U_w (W/(m ² K))	See Point 4.12 in table 2.1.1			
4.13	Radiation properties	All test specimens	See CE marking for glazing	Project-specific certification	
4.14	Air permeability	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 19-002796-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)	This property has been tested on the test specimen of product family 1 by way of example.	Test report 18-000656-PR02 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 the same number of or fewer locking points.
4.17	Mechanical strength	This property has been tested on the test specimen of product family 1 by way of example.	Test report 18-000656-PR01 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 Proof	If required	

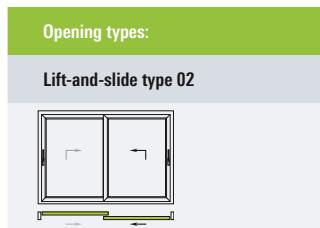
Extract from product standard EN 14351-1		Type, design	Proof (See 3. for details)	Value/class	Area of application
4.19	 Bullet resistance			npd	
4.20	 Blast resistance			npd	
4.21	 Resistance to repeated opening and closing			npd	
4.22	 Behaviour between different climates			npd	
4.23	 Burglar resistance			npd	

2.4 Product family 4






2.4.1 Description of system features for product family 4

Series	Schüco LivIngSlide
Options	Type 02 – 2 sliding vent
Frame material	PVC-U
Profile depth	194 mm/82 mm
Frame assembly	Lift-and-slide frame trim profile screwed with frame trim connector 25864400; vent frame mitre-cut and welded
Vent	Sliding vent, internal, 19713.../sliding vent, external, 19713...
Rebate construction	
Frame trim gasket, outside	Sealing profile 25897400/29520100, square-cut and butt-joined Supplier: Schüco Polymer Technologies KG
Centre joint	Sealing profile 25289700/25289800 EPDM, sealing profile 25897400/29520100 Supplier: Schüco Polymer Technologies KG
Vent gasket, outside and inside	Sealing profile 25289500/25289600, EPDM with corner sealing piece 25864100/25864200, square-cut, butt-joined and bonded Supplier: Schüco Polymer Technologies KG
Rebate drainage	Lift-and-slide door type 02 Via threshold On each vent, 5 mm x 35 mm slots towards the bottom, on the left and right-hand side, approx. 20 mm from the corner and in the centre, with a max. distance between slots of 600 mm
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area
Fittings	Tested with: Lift-and-slide door type 02 Schüco lift-and-slide Supplier: Schüco Polymer Technologies KG
Glazing	Multi-pane insulating glass, glass thicknesses from 24 mm to 52 mm
Glazing gasket, outside	Sealing profile, EPDM, mitre-cut and welded Supplier: Schüco Polymer Technologies KG
Glazing gasket, inside	Sealing profile, PVC-P, mitre-cut and joined Supplier: Schüco Polymer Technologies KG
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area

2.4.2 Overview of performance characteristics for product family 4



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	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 19-000084-PR03 ift Rosenheim	C3/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			npd	
4.5	Watertightness	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 19-000084-PR03 ift Rosenheim	5A	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			npd	
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	Type in accordance with Appendix B.2, EN 14351-1:2006	Project-specific certification	If required	
4.12	Thermal transmittance U_w (W/(m ² K))	See Point 4.12 in table 2.1.1			
4.13	Radiation properties	All test specimens	See CE marking for glazing	Project-specific certification	
4.14	Air permeability	Lift-and-slide door with a sliding vent and fixed light Unit size: 4070 mm x 2232 mm Vent size: 2000 mm x 2100 mm	Test report 19-000084-PR03 ift Rosenheim	3	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)	This property has been tested on the test specimen of product family 1 by way of example.	Test report 18-000656-PR02 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 the same number of or fewer locking points.
4.17	Mechanical strength	This property has been tested on the test specimen of product family 1 by way of example.	Test report 18-000656-PR01 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	

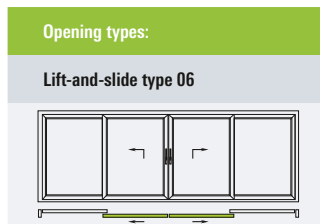
Extract from product standard EN 14351-1		Type, design	Proof (See 3. for details)	Value/class	Area of application
4.19	 Bullet resistance			npd	
4.20	 Blast resistance			npd	
4.21	 Resistance to repeated opening and closing			npd	
4.22	 Behaviour between different climates			npd	
4.23	 Burglar resistance			npd	

2.5 Product family 5






2.5.1 Description of system features for product family 5

Series	Schüco LivIngSlide
Options	Type 06 – 2 sliding vents with double-vent/2 fixed vents
Frame material	PVC-U
Profile depth	194 mm/82 mm
Frame assembly	Lift-and-slide frame trim profile screwed with frame trim connector 25864400; vent frame mitre-cut and welded
Rebate construction	
Frame trim gasket, outside	Sealing profile 25897400/29520100, square-cut and butt-joined Supplier: Schüco Polymer Technologies KG
Centre joint	Sealing profile 25289700/25289800 EPDM, sealing profile 25897400/29520100 Supplier: Schüco Polymer Technologies KG
Vent gasket, outside and inside	Sealing profile 25289500/25289600, EPDM with corner sealing piece 25864100/25864200, square-cut, butt-joined and bonded Supplier: Schüco Polymer Technologies KG
Rebate drainage	Lift-and-slide door type 06 Via threshold On each vent, 5 mm x 35 mm slots towards the bottom, on the left and right-hand side, approx. 20 mm from the corner and in the centre, with a max. distance between slots of 600 mm
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area
Fittings	Tested with: Lift-and-slide door type 06 Schüco lift-and-slide Supplier: Schüco Polymer Technologies KG
Glazing	Multi-pane insulating glass, glass thicknesses from 24 mm to 52 mm
Glazing gasket, outside	Sealing profile, EPDM, mitre-cut and welded Supplier: Schüco Polymer Technologies KG
Glazing gasket, inside	Sealing profile, PVC-P, mitre-cut and joined Supplier: Schüco Polymer Technologies KG
Pressure equalisation	2 drill holes, diameter 8 mm, at the top of each vent Alternatively, make two notches on each vent at the top every 40 mm Alternatively, drill 2 holes with an 8 mm diameter at the top of each vent before welding in the intermediate bars of the mitred area

2.5.2 Overview of performance characteristics for product family 5



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	Lift-and-slide door with a sliding vent and fixed light Unit size: 4500 mm x 2532 mm Vent size: 1300 mm x 2400 mm	Test report 18-000656-PR04 ift Rosenheim	C2/B2	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			npd	
4.5	Watertightness	Lift-and-slide door with a sliding vent and fixed light Unit size: 4500 mm x 2532 mm Vent size: 1300 mm x 2400 mm	Test report 18-000656-PR04 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			npd	
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	Type in accordance with Appendix B.2, EN 14351-1:2006	Project-specific certification	If required	
4.12	Thermal transmittance U_w (W/(m ² K))	See Point 4.12 in table 2.1.1			
4.13	Radiation properties	All test specimens	See CE marking for glazing	Project-specific certification	
4.14	Air permeability	Lift-and-slide door with a sliding vent and fixed light Unit size: 4500 mm x 2532 mm Vent size: 1300 mm x 2400 mm	Test report 18-000656-PR04 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)	This property has been tested on the test specimen of product family 1 by way of example.	Test report 18-000656-PR02 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 the same number of or fewer locking points.
4.17	Mechanical strength	This property has been tested on the test specimen of product family 1 by way of example.	Test report 18-000656-PR01 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	



Extract from product standard EN 14351-1		Type, design	Proof (See 3. for details)	Value/class	Area of application
4.19	 Bullet resistance			npd	
4.20	 Blast resistance			npd	
4.21	 Resistance to repeated opening and closing			npd	
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
Test report 18-000656-PR01 ift Rosenheim	2018-07-27	Until updated	Resistance to wind load, watertightness, air permeability, operating forces, mechanical loading	EN 14351-1:2006+A2:2016-09
Test report 18-000656-PR03 ift Rosenheim	2018-11-19	Until updated	Resistance to wind load, watertightness, air permeability	EN 14351-1:2006+A2:2016-09
Test report 18-000656-PR02 ift Rosenheim	2018-10-15	Until updated	Operating forces, resistance to repeated opening and closing	EN 14351-1:2006+A2:2016-09
Test report 18-000656-PR04 ift Rosenheim	2019-01-11	Until updated	Resistance to wind load, watertightness, air permeability, operating forces, mechanical loading	EN 14351-1:2006+A2:2016-09
Test report 19-000084-PR03 ift Rosenheim	2019-05-24	Until updated	Resistance to wind load, watertightness, air permeability	EN 14351-1:2006+A2:2016-09
Test report 19-000084-PR01 ift Rosenheim	2019-05-24	Until updated	Resistance to wind load, watertightness, air permeability	EN 14351-1:2006+A2:2016-09
Test report 19-000084-PR02 ift Rosenheim	2019-05-24	Until updated	Resistance to wind load, watertightness, air permeability, operating forces, mechanical loading	EN 14351-1:2006+A2:2016-09
Test report 18-001821-PR01 V3 ift Rosenheim	2018-08-28	Until updated	Airborne sound reduction	EN ISO 10140-2:2010-09 EN ISO 717-1:2013-03 EN ISO 10140-1:2016-08
Test report 18-001821-PR01 V4 ift Rosenheim	2018-08-29	Until updated	Airborne sound reduction	EN ISO 10140-2:2010-09 EN ISO 717-1:2013-03 EN ISO 10140-1:2016-08
Test report 18-001821- PR01 V5 ift Rosenheim	2018-08-29	Until updated	Airborne sound reduction	EN ISO 10140-2:2010-09 EN ISO 717-1:2013-03 EN ISO 10140-1:2016-08
Test report 18-001821- PR01 V7 ift Rosenheim	2018-08-28	Until updated	Airborne sound reduction	EN ISO 10140-2:2010-09 EN ISO 717-1:2013-03 EN ISO 10140-1:2016-08
Test report 18-001821- PR01 V8 ift Rosenheim	2018-08-28	Until updated	Airborne sound reduction	EN ISO 10140-2:2010-09 EN ISO 717-1:2013-03 EN ISO 10140-1:2016-08
Test report 18-001821- PR01 V9 ift Rosenheim	2019-03-12	Until updated	Airborne sound reduction	EN ISO 10140-2:2010-09 EN ISO 717-1:2013-03 EN ISO 10140-1:2016-08
Test report EH-19-02-26-01 2618293 EPH Dresden	2019-02-26	Until updated	Burglar resistance	DIN EN V 1627 – 1630

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/(m ² K))	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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