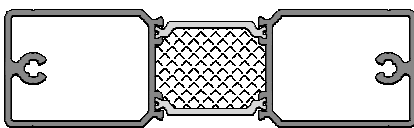


Optional:

Reinforcement in door frame
with thermal separation



Energy savings

Energy savings when installing new windows		Explanation	
U _w -value (old)	3.50 W/(m ² K)	Heating degree days	4,050
U _w -value (new)	0.83 W/(m ² K)	Conversion factor from kilogrammes in litres of heating oil	1.19
Window surface area	30 m ²	Conversion heating value Wh/kg	11,800
Annual savings on heating oil	1,047 L	Heating efficiency	0.75
Annual carbon dioxide reduction	2.827 kg		

Burglary protection

- Siegenia-Aubi HS Portal 300KF with two 2 locking bolts (standard)
- Complete door available as an RC2 option

Sound insulation

- Lift and slide door up to RwP44db

Glass thickness

- From 24 mm to 51 mm

Colour of fittings

(Handle & finger pull)

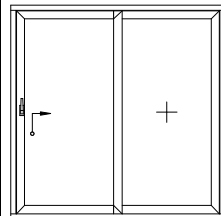
- White
- Brown
- F4
- F9

Other characteristics

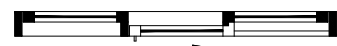
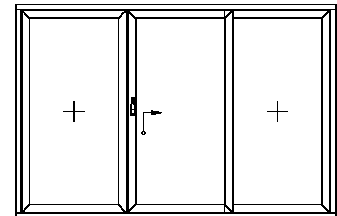
- Dimensionally stable aluminium threshold
- Can also be supplied as barrier-free threshold for set-ups A, C and G2
- Optionally available with LUMEE side part for set-ups A, C and G2
- Continuous aluminium door frame reinforcement
- Top guide rail made of aluminium

Available set-ups

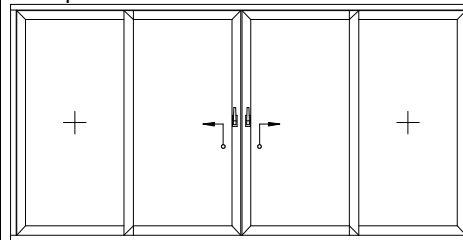
Set-up A



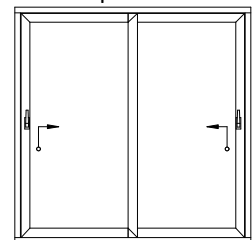
Set-up G2



Set-up C



Set-up D



Produktqualität
Kunststofffenster
EN 14351-1 : 2006+A1:2010
Nr.: 191 8004857



Produktqualität
Einbruchhemmende Fenster
DIN EN 1627 : 2011- RC 2
Reg - Nr.: 191 8004857

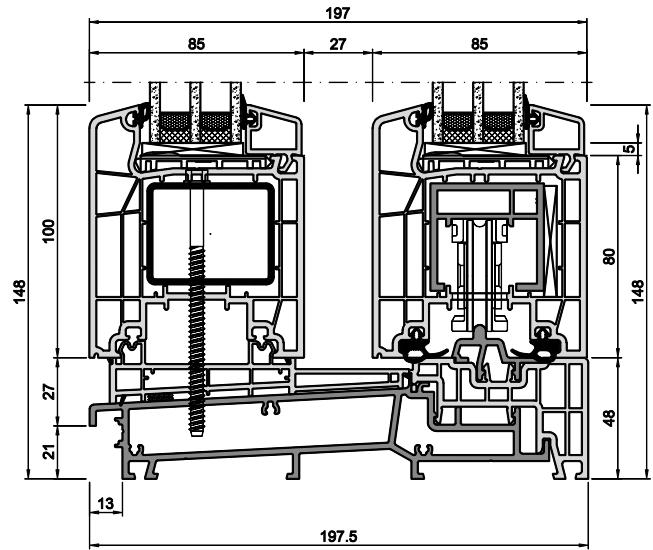
Seals

- Meeting stile with double seal
- 2 sealing levels in casement area
- Available colours:
 - LSD both sides white: papyrus white
 - LSD one-sided or both sides decor: black

System values

- Air permeability: Class 3 (according to EN 12207)
- Water tightness: Class 4A (according to EN 12208)
- Resistance to wind load: Class B2 (according to EN 12210)

Please note: The classifications given here are minimum requirements.
Please contact us if higher requirements are necessary.



Fittings

Standard:

- Siegenia-Aubi HS-PORTAL 300KF
- 2 locking bolts
- Handle and finger pull in colours white, brown, F4 and F9
- Max. weight of casement 300 kg

Optional:

- Fittings up to 400 kg
- Quadruple lock system
- Comfort drive
- SoftClose
- RC2 or RC2N burglar resistance
- Aerocontrol magnetic contact for electronic lock monitoring

Thermal insulation:

Standard with aluminium reinforcements in door frame

- Reference dimensions 3,500 x 2,180 mm
- $U_f = 1.8 \text{ W/(m}^2\text{K)}$ averaged
- Minimum requirements acc. to the German Energy Saving Ordinance (EnEV) 2014: $U_w = 1.3 \text{ W/(m}^2\text{K)}$

with thermally separated reinforcement in door frame

- Reference dimensions 3,500 x 2,180 mm
- $U_f = 1.6 \text{ W/(m}^2\text{K)}$ averaged
- Minimum requirements acc. to the German Energy Saving Ordinance (EnEV) 2014: $U_w = 1.3 \text{ W/(m}^2\text{K)}$

U_g glass (W/m ² K) EN 673	U_w lift and slide door (W/(m ² K)) Insulated glazing edge compound		
	Aluminium	KSH/KSD	Swisspacer Ultimate
Double glazing	Psi = 0.066 (W/mK)	Psi = 0.041 (W/mK)	Psi = 0.032 (W/mK)
1.1	1.40	1.35	1.34
1.0	1.32	1.28	1.26
Triple glazing	Psi = 0.064 (W/mK)	Psi = 0.039 (W/mK)	Psi = 0.030 (W/mK)
0.8	1.17	1.13	1.11
0.7	1.10	1.05	1.04
0.6	1.02	0.98	0.96
0.5	0.95	0.91	0.89

U_g glass (W/m ² K) EN 673	U_w lift and slide door (W/(m ² K)) Insulated glazing edge compound		
	Aluminium	KSH/KSD	Swisspacer Ultimate
Double glazing	Psi = 0.066 (W/mK)	Psi = 0.041 (W/mK)	Psi = 0.032 (W/mK)
1.1	1.35	1.30	1.29
1.0	1.27	1.23	1.21
Triple glazing	Psi = 0.064 (W/mK)	Psi = 0.039 (W/mK)	Psi = 0.030 (W/mK)
0.8	1.12	1.08	1.06
0.7	1.05	1.00	0.99
0.6	0.97	0.93	0.91
0.5	0.90	0.85	0.84

- U_w -values < 1.0 W/m²K are shown with two decimal places in accordance with EN ISO 10077
- U_w -values > 1.0 W/m²K are shown with one decimal place in accordance with EN ISO 10077 and here – for information only – with two decimal places
- The specified PSI values are taken from the data sheets of the working group "Warm Edge"

Sound insulation

Reference dimensions 3,600 x 2,300 mm
(components with test certificate)

$R_w \Delta R_{WP}$ = Test value window	R_{WR} = Calculated value window	R_{WP} = Test value glass	Test certificate No.
33 dB	31 dB	32 dB	14/03-A092-K1
39 dB	37 dB	39 dB	14/03-A092-K3
44 dB	42 dB	47 dB	14/03-A092-K2
In Germany the following applies acc. to DIN 4109:1989-11 (German standard for sound insulation in buildings; requirements and testing): R_w equals R_{WP} ; $R_{WR} = R_{WP} - 2\text{dB}$			