

DATA SHEET

Tilt & slide patio door IDEAL DESIGN

U_w-Value
≥ 0.83



- Flush design
- 85 mm construction depth
- 5-chamber profile with 3 seals

Energy saving through new windows

U _w value (old)	3.50 W/(m ² K)
U _w value (new)	0.83 W/(m ² K)
Window area	30 m ²
Annual fuel oil savings	1074 litres
Annual carbon dioxide reduction	2,901 kg

Explanation

Heating degree days	4,050
Conversion factor kilogram into litres of heating oil	1.19
Conversion of calorific value Wh/kg	11,800
Heating efficiency	0.75

SAFETY EQUIPMENT / FITTING

BASIS:

- Fitting with 3 locking plates
- 3-dimensionally adjustable
- Malfunction lock
- Max. sash weight 130 kg

OPTIONAL:

- Safety levels: RC1, RC2, according to EN 1627-1630
- High Control (magnetic contact for electronic monitoring)
- Integrated door lock, lockable from inside and outside
- Lock monitoring according to VDI

COLOURS

- White
- Decor according to current price list according to colour range uPVC

GLASS THICKNESS

28 mm to 51 mm

SEALS

- Centre sealing system
- 3 sealing levels
- Possible colours:
 - Papyrus white or black for decor



SYSTEM VALUES

- Air permeability: Class 3 (according to EN 12207)
- Driving rain-proof: Class 4A (according to EN 12208)
- Water tightness against driving rain:
Class B3 (according to EN 12210)

Please note:

The classes given here are minimum classes. For higher requirements please consult us.

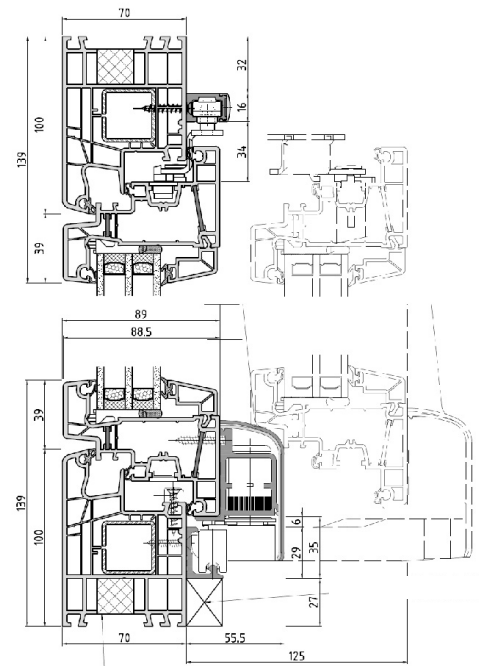
THERMAL INSULATION

- Reference size 1230 x 1480 mm
- $U_f = 1.1 \text{ W/(m}^2\text{K)}$
- Minimum requirement according to GEG2020 $U_w = 1.3 \text{ W/(m}^2\text{K)}$

U_g Glass (W/m ² K) according to EN 673	U_w window (W/m ² K) Type of edge spacer		
	Aluminium	KSH / KSD	Swisspacer Ultimate
Double glazing	Psi = 0.066 (W/mK)	Psi = 0.041 (W/mK)	Psi = 0.032 (W/mK)
1.1	Not possible in this system.		
1.0			
Triple glazing	Psi = 0.064 (W/mK)	Psi = 0.039 (W/mK)	Psi = 0.030 (W/mK)
0.7	1.0 (0.98)	1.0 (0.92)	0.9 (0.89)
0.6	0.9 (0.91)	0.9 (0.85)	0.8 (0.83)

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 according to EN ISO 10077, here with two decimal places for information purposes



IDEAL DESIGN DETAIL VERTICAL SECTION

POSSIBLE GLASS STRIPS:

STANDARD

