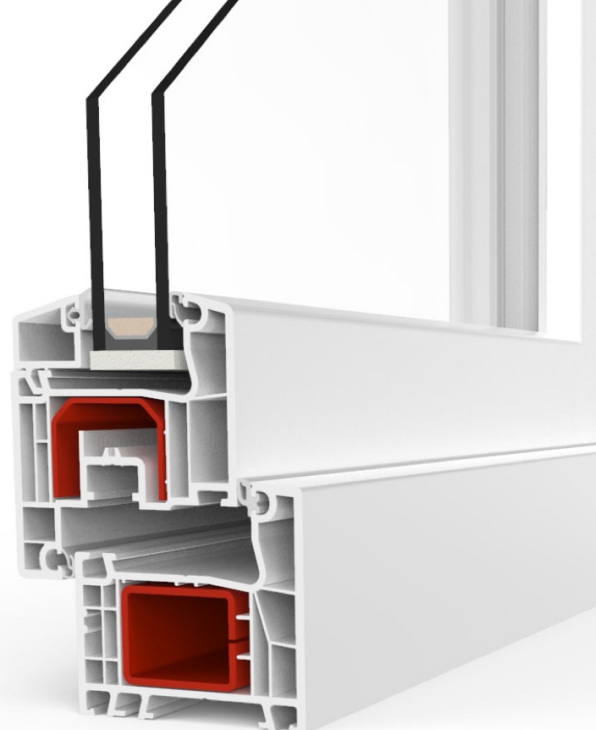


# Tilt & slide patio door IDEAL 4000

U<sub>w</sub>-Value  
≥ 0.90



- Offset design
- 70 mm construction depth
- 5-chamber profile with 2 seals

### Energy saving through new windows

U <sub>w</sub> value (old)	3.50 W/(m <sup>2</sup> K)
U <sub>w</sub> value (new)	0.90 W/(m <sup>2</sup> K)
Window area	30 m <sup>2</sup>
Annual fuel oil savings	1019 litres
Annual carbon dioxide reduction	2,753 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

### SOUND INSULATION

Window RwP up to 45 dB

### GLASS THICKNESS

To 41 mm

### SEALS

- Compression seal system
- 2 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
- $U_f = 1.3 \text{ W/(m}^2\text{K)}$
- Minimum requirement according to GEG2020  $U_w = 1.3 \text{ W/(m}^2\text{K)}$

$U_g$ Glass (W/m <sup>2</sup> K) according to EN 673	$U_w$ window (W/m <sup>2</sup> K) Type of edge spacer		
	Aluminium	KSH / KSD	Swisspacer Ultimate
<b>Double glazing</b>	$\Psi = 0.066$ (W/mK)	$\Psi = 0.041$ (W/mK)	$\Psi = 0.032$ (W/mK)
1.1	1.33	1.26	1.24
1.0	1.26	1.20	1.18
<b>Triple glazing</b>	$\Psi = 0.064$ (W/mK)	$\Psi = 0.039$ (W/mK)	$\Psi = 0.030$ (W/mK)
0.8	1.12	1.06	1.03
0.7	1.05	0.99	0.97
0.6	0.98	0.92	0.90

$U_w$  values < 1.0 W/(m<sup>2</sup>K) are shown with two decimal places in accordance with EN ISO 10077

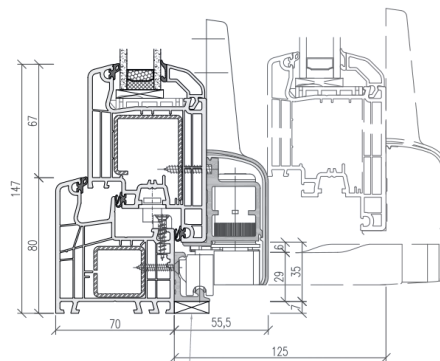
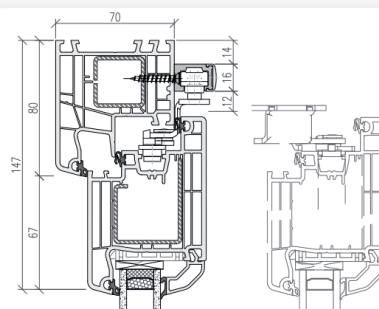
$U_w$  values > 1.0 W/(m<sup>2</sup>K) are shown with one decimal place according to EN ISO 10077, here with two decimal places for information purposes

## SOUND INSULATION

Reference size 1230 x 1480 mm  
(Elements with test certificate)

$R_w \triangleq R_{WP}$ = test value window	$R_{WR}$ = calculated value window	$R_{WP}$ = test value glass	Test certificate no.
42 dB	40 dB	41 dB	16129751/Z01
42 dB	40 dB	42 dB	16129751/Z02
44 dB	42 dB	45 dB	16129751/Z03
45 dB	43 dB	48 dB	16129751/Z05

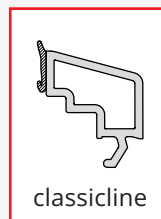
For Germany, the following applies according to DIN 4109:1989-11:  
 $R_w$  corresponds to  $R_{WP}$ ;  $R_{WR} = R_{WP} - 2\text{dB}$



IDEAL 4000 HORIZONTAL SECTION

## MÖGLICHE GLASLEISTEN:

STANDARD



classicline

OPTIONAL



roundline