

DATA SHEET

# IDEAL Design

**U<sub>w</sub>-Value**  
≥ 0.83



- Flush design
- 70 mm construction depth
- 5-chamber profile with 3 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)	0.83 W/(m <sup>2</sup> K)
Window area	30 m <sup>2</sup>
Annual fuel oil savings	1074 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

### 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

### SAFETY EQUIPMENT / FITTING

#### BASIS:

- Fitting with 3 locking plates
- 3-dimensionally adjustable
- Anti mishandling device
- Sash lifter
- Max. sash weight 130 kg

#### OPTIONAL:

- ActivPilot Comfort PAD (parallel stop fitting)
- Safety levels: RC1, RC2, according to EN 1627-1630
- SELECT fitting (concealed corner and shear bearings)
- "Tilt before Turn"
- High Control (magnetic contact for electronic monitoring)



## 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.

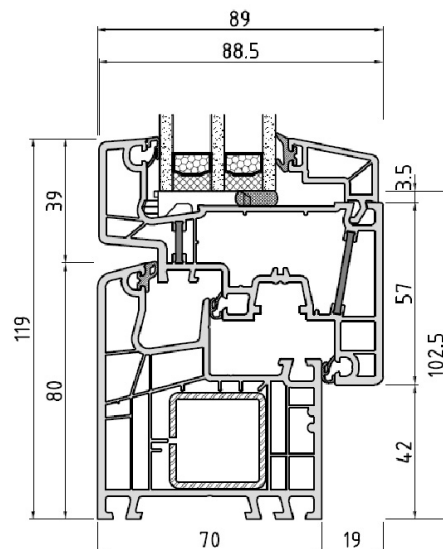
## THERMAL INSULATION

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

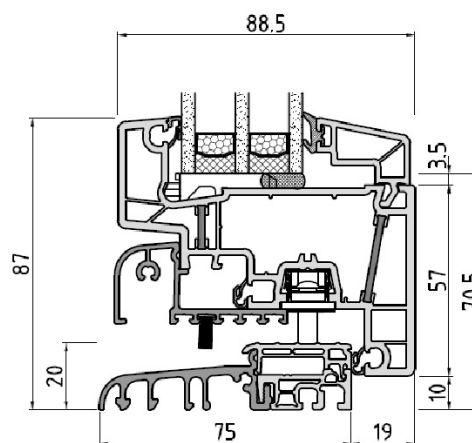
$U_g$ Glass (W/m <sup>2</sup> K) according to EN 673	$U_w$ window (W/m <sup>2</sup> K) Type of edge spacer		
	Aluminium	KSH / KSD	Swisspacer Ultimate
<b>Double glazing</b>	Psi = 0.066 (W/mK)	Psi = 0.041 (W/mK)	Psi = 0.032 (W/mK)
1.1	Not possible in this system		
1.0	Not possible in this system		
<b>Triple glazing</b>	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/(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



IDEAL DESIGN FRAME WITH SASH



IDEAL DESIGN  
FRENCH DOORS WITH FLAT THRESHOLD

## POSSIBLE GLASS STRIPS:

STANDARD

