

## DATA SHEET

# IDEAL PLANO

- Flush design
- 68 mm construction depth
- Available with triple glazing

U<sub>w</sub>-Value  
≥ 0.88



### 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)	0.88 W/(m <sup>2</sup> K)
Window area	30 m <sup>2</sup>
Annual fuel oil savings	1063 litres
Annual carbon dioxide reduction	2,869 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
- Anti mishandling device
- Sash lifter
- Max. sash weight 130 kg

#### OPTIONAL:

- 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)
- ActivPilot Comfort PAD (parallel stop fitting)

### WOOD COLOURS

- Interior: all wood colours listed in the shop as well as wood RAL colours
  - Exterior: all colours of the wood-alu colour spectrum listed in the shop
- Environmentally friendly water-based lacquers

### SOUND INSULATION

Tested to  
R<sub>w</sub>(C; C<sub>tr</sub>) = 46 (-1, -4) dB

### GLASS THICKNESS

from 36 mm to 58 mm

### SEALS

- Centre sealing system
- 3 sealing levels, optional 4 (seal in the frame shell)

## 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 C3/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
- Minimum requirement according to GEG2020  $U_w = 1.3 \text{ W/(m}^2\text{K)}$

### Spruce

$U_w$  window (W/m<sup>2</sup>K)

$U_g$ Glass according to EN 673	Frame $U_f$ value	Window $U_w$ value Type of edge spacer alu	Window $U_w$ value Type of edge spacer KSD
1.1	1.1	Not possible in this system.	
1.0	1.1	Not possible in this system.	
0.7	1.1	1.0	1.0 (0.95)
0.6	1.1	1.0 (0.97)	0.9 (0.88)

### Pine, Larch, Meranti

$U_w$  window (W/m<sup>2</sup>K)

$U_g$ Glass according to EN 673	Frame $U_f$ value	Window $U_w$ value Type of edge spacer alu	Window $U_w$ value Type of edge spacer KSD
1.1	1.2	Not possible in this system.	
1.0	1.2	Not possible in this system.	
0.7	1.2	1.1	1.0 (0.99)
0.6	1.2	1.0	0.9 (0.92)

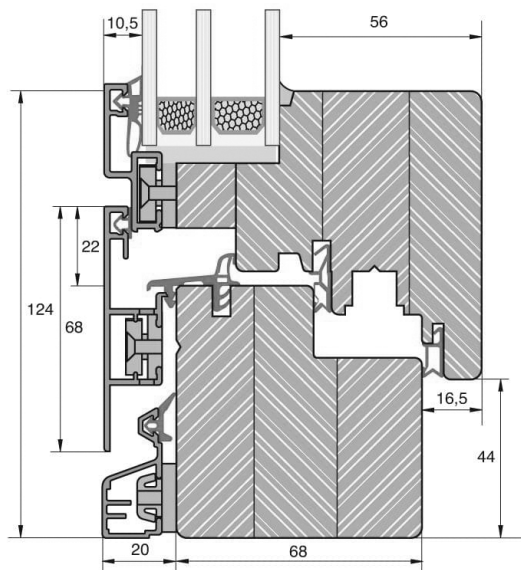
### Oak, Eucalyptus

$U_w$  window (W/m<sup>2</sup>K)

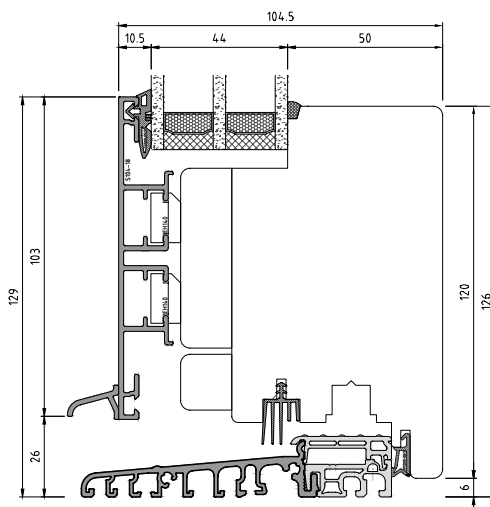
$U_g$ Glass according to EN 673	Frame $U_f$ value	Window $U_w$ value Type of edge spacer alu	Window $U_w$ value Type of edge spacer KSD
1.1	1.5	Not possible in this system.	
1.0	1.5	Not possible in this system.	
0.7	1.5	1.2	1.1
0.6	1.5	1.1	1.0

$U_w$  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



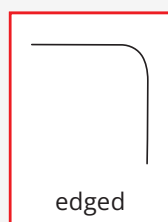
IDEAL PLANO FRAME WITH SASH



IDEAL PLANO FRENCH DOORS WITH FLAT THRESHOLD

## POSSIBLE GLASS STRIPS:

STANDARD



OPTIONAL

