windows24.com

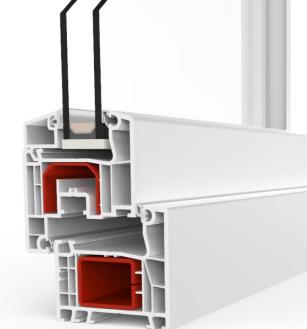
DATA SHEET

Offset design

IDEAL 4000

70 mm construction depth





| _ | J. P. J. | |
|---|--------------|------|
| | | |
| | | |
| | | |
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| | | |
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| | | |

5-chamber profile with 2 seals

| U _w value (old) | 3.50 W/(m ² K) |
|---|---------------------------|
| U _w value (new) | 0.90 W/(m ² K) |
| Window area | 30 m² |
| 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
- 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)

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



Product quality uPVC window EN 14351-1 : 2006+A1:2010

Nr.: 191 8004857



Product quality Break-in resistant windows EN 1627 : 2011-RC 2

Reg-Nr.: 191 8004857

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
- $U_{\epsilon} = 1.3 \text{ W/(m}^2\text{K)}$
- Minimum requirement according to GEG2020 U_w = 1.3 W/(m²K)

| U _g Glass | U _w window (W/m²K) | | | | |
|-----------------------------|-------------------------------|-----------------------|-----------------------|--|--|
| (W/m^2K) | Type of edge spacer | | | | |
| according to EN 673 | Aluminium | KSH / KSD | Swisspacer Ultimate | | |
| Double glazing | Psi = 0.066 (W/mK) | Psi = 0.041 (W/mK) | Psi = 0.032 (W/mK) | | |
| 1.1 | 1.33 | 1.26 | 1.24 | | |
| 1.0 | 1.26 | 1.20 | 1.18 | | |
| Triple glazing | 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 | | |

 $\rm U_{\rm w}$ values < 1.0 W/(m $^2\rm K)$ are shown with two decimal places in accordance with EN ISO 10077

 $\rm U_w$ values > 1.0 W/(m²K) are shown with one decimal place according to EN ISO 10077, here with two decimal places for information purposes

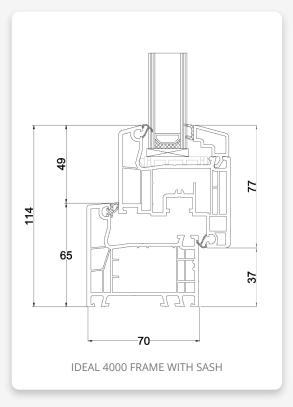
The PSI values given are taken from the data sheets of the "Warm Edge" working group

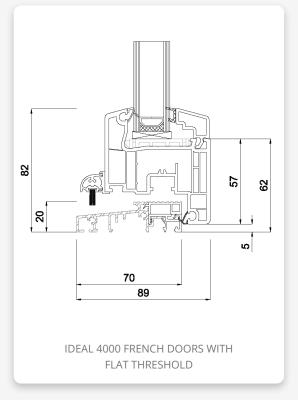
SOUND INSULATION

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_w ; R_w = R_w - 2dB





POSSIBLE GLASS STRIPS:

STANDARD





OPTIONAL