

NEWLINE PREMIUM 92

Wood-aluminium windows for modern passive and low-energy architectural solutions.

Special feature

92mm thick wooden profile and triple glazing, as well as aluminium facing. Aligned outer and inner lines of sash and frame. Without glazing mullion on the inside. Aluminium facing with no visible joints (welded joints). Narrower profiles allow more light to enter the room. Concealed fittings.

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|---|--|
| Material | spruce, larch, oak |
| Installation width | 111,5 mm |
| Visible width of the wooden part | 103 mm |
| Type glass | 4-18-4-18-4; $U_g = 0,5 \text{ W/m}^2\text{K}$ |
| Possible glazing thickness | 44 – 62 mm |

Technical properties

| Wood | Profile thickness | U_g | U_f upper transom, upright L,R | U_f bottom transom | Ψ_g | U_w |
|--------|-------------------|-------|--|-------------------------|----------|-------|
| spruce | 92 mm | 0,5 | 1,1 | 1,2 | 0,042 | 0,78 |
| spruce | 92 mm | 0,6 | 1,1 | 1,2 | 0,042 | 0,85 |
| spruce | 92 mm | 0,7 | 1,1 | 1,2 | 0,042 | 0,93 |
| larch | 92 mm | 0,5 | 1,2 | 1,3 | 0,042 | 0,81 |
| larch | 92 mm | 0,6 | 1,2 | 1,3 | 0,042 | 0,88 |
| larch | 92 mm | 0,7 | 1,2 | 1,3 | 0,042 | 0,95 |
| oak | 92 mm | 0,5 | 1,5 | 1,6 | 0,042 | 0,90 |
| oak | 92 mm | 0,6 | 1,5 | 1,6 | 0,042 | 0,97 |
| oak | 92 mm | 0,7 | 1,5 | 1,6 | 0,042 | 1,0 |

U_g – thermal coefficient of the glass

U_f – thermal coefficient of window profiles

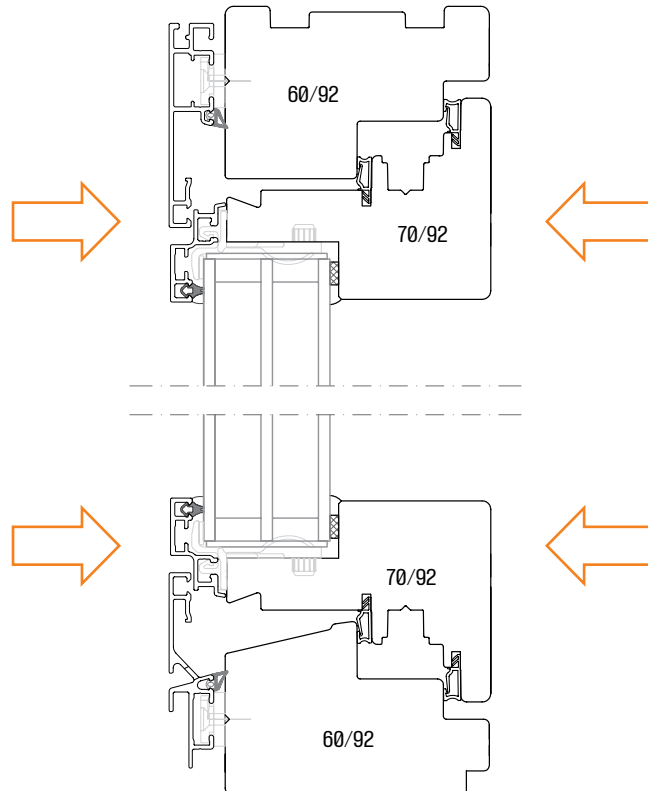
Ψ_g – thermal coefficient of the spacers between panes

U_w – thermal coefficient of the entire window

The thermal transmittances U_w of the windows are calculated for a single-pane window of 123×148cm in accordance with SIST EN ISO 10077-1:2017 and SIST EN 14351-1:2006+A2:2016.

Aligned outer and inner lines of sash and frame

Section



Inside view

