

THERMAL TRANSMITTANCE CALCULATION

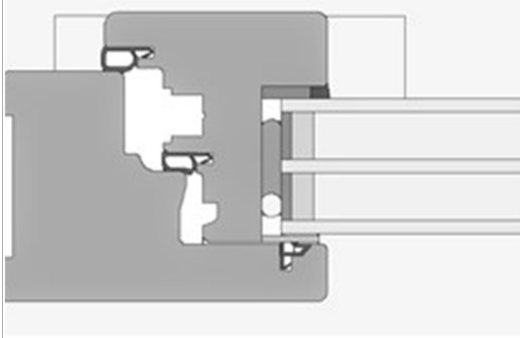
Calculation num.: 173.1/12


PRODUCT STANDARD: EN 14351-1 + A1

CALCULATION STANDARD: EN 1077-2:2012

SOFTWARE: WinIso 2D

VALIDITY: The data and results refer solely to the described specimen or to the specimen of bigger dimension but with the same frame and glazing details.

| WINDOW TYPE | Nature Pasiv | |
|---|--|--|
| PRODUCT | Single sash window and balcony doors | |
|  | Frame material | Wood - Spruce (Picea abies) ($\lambda = 0,11 \text{ W/mK}$) |
| | Thermal transmittance of frame | $U_f = 1,1 \text{ W/m}^2\text{K}$; $b = 100 \text{ mm}$ $U_{fb} = 1,2 \text{ W/m}^2\text{K}$ $bb = 111 \text{ mm}$ |
| | Thermal transmittance of glazing | $U_g = 0,5 \text{ W/m}^2\text{K}$ 4/18Ar/4/18Ar/4 (TGI Spacer M) |
| | Linear thermal transmittance of frame/glazing junction | $\Psi = 0,039 \text{ W/mK}$ |
| | Window dimension (w x h) | 1230 mm x 1480 mm |

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|  | $U_w = 0,77 \text{ W/m}^2\text{K}$ |
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Žiri, 29.09.2025

Calculation made by:
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