

THERMAL TRANSMITTANCE CALCULATION

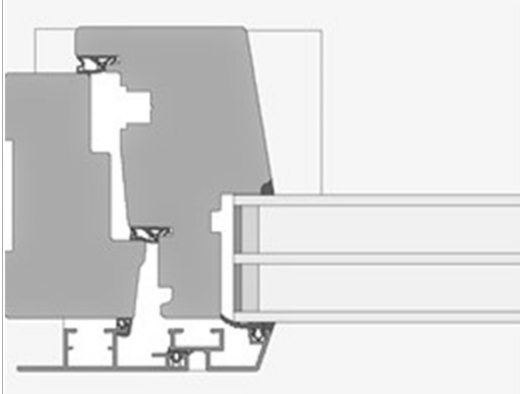
Calculation num.: 173.1/12


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	Comfort Optimo L	
PRODUCT	Single sash window and balcony doors	
	Frame material	Wood - Spruce (Picea abies) ($\lambda = 0,11 \text{ W/mK}$)
	Thermal transmittance of frame	$U_f = 1 \text{ W/m}^2\text{K}$; $b = 104 \text{ mm}$ $U_{fb} = 1 \text{ W/m}^2\text{K}$ $bb = 104 \text{ mm}$
	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	$\Psi = 0,042 \text{ W/mK}$
	Window dimension (w x h)	1230 mm x 1480 mm

	$U_w = 0,75 \text{ W/m}^2\text{K}$
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Žiri, 29.09.2025

Calculation made by:
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