

THERMAL TRANSMITTANCE CALCULATION

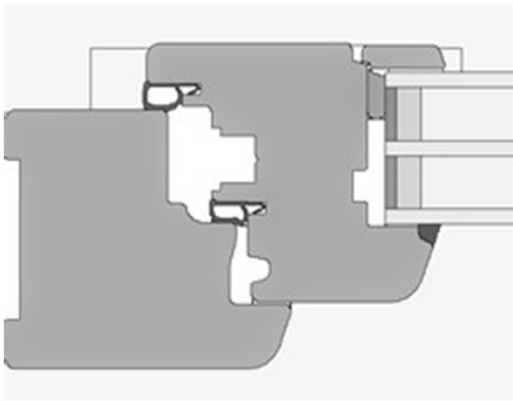
Calculation num.: 173.1/12

PRODUCT STANDARD: EN 14351-1 + A1

CALCULATION STANDARD: EN 1077-2:2012

SOFTWARE: WinIso 2D

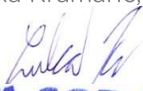
VALIDITY: The data and results refer solely to the described specimen or to the specimen of bigger dimension but with the same frame and glazing details.

WINDOW TYPE	Nature 3	
PRODUCT	Single sash window and balcony doors	
	Frame material	Wood - Spruce (Picea abies) ($\lambda = 0,11 \text{ W/mK}$)
	Thermal transmittance of frame	$U_f = 1,2 \text{ W/m}^2\text{K}$; $b = 122 \text{ mm}$ $U_{fb} = 1,3 \text{ W/m}^2\text{K}$ $bb = 137 \text{ mm}$
	Thermal transmittance of glazing	$U_g = 0,6 \text{ W/m}^2\text{K}$ 4/14Ar/4/14Ar/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

	$U_w = 0,91 \text{ W/m}^2\text{K}$
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Žiri, 29.09.2025

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