

Thermal transmittance calculation

Product **Single tilt and turn window**

Type of window **NATURE**

Frame material Wood – spruce (*Picea abies* (L.) Karst)

Thermal transmittance of a frame $U_f = 1,2 \text{ W/m}^2\text{K}$, $b_f = 118 \text{ mm}$
 $U_{f,sp} = 1,4 \text{ W/m}^2\text{K}$, $b_f = 137 \text{ mm}$

Thermal transmittance of a glazing $U_g = 1,0 \text{ W/m}^2\text{K}$, (4/16Ar/4)

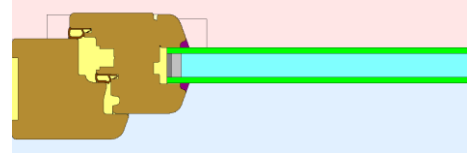
Specific thermal transmittance of a spacer $\Psi = 0,045 \text{ W/mK}$, TGI spacer

Window dimension (w x h) 1230 mm x 1480 mm

Basis:
EN 14351-1:2006

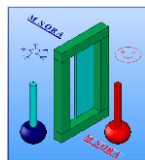
Calculation norm:
EN 10077-2:2012
(Calculation of thermal transmittance – Numerical method for frames)

Detail used in calculation:



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 thermal transmittance:



$$U_w = 1,2 \text{ W/m}^2\text{K}$$

A handwritten signature in blue ink, reading "Ugovšek".