

THERMAL TRANSMITTANCE CALCULATION

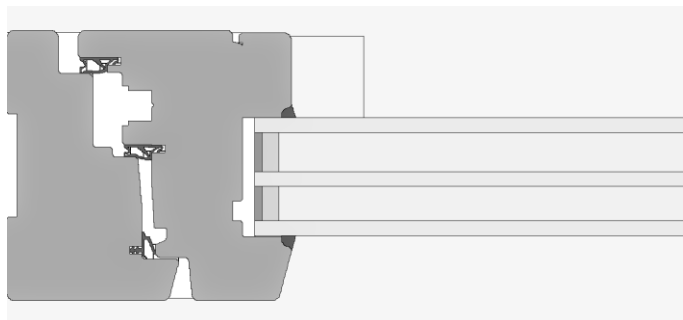
Calculation num.: 173.1/12

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 Optimo XL**PRODUCT** Single tilt and turn window

Frame material	Wood - spruce/fir
Thermal transmittance of frame	$U_f = 0,88 \text{ W/m}^2\text{K}$, $b = 116\text{mm}$ $U_{f,bot} = 0,99 \text{ W/m}^2\text{K}$, $b = 143\text{mm}$
Thermal transmittance of glazing	$U_g = 0,6 \text{ W/m}^2\text{K}$ 6/16Ar/6/14Ar/6
Linear thermal transmittance of frame/glazing junction	$\Psi = 0,045 \text{ W/mK}$
Window dimension (w x h)	1230 mm x 1480 mm

 $U_w = 0,81 \text{ W/m}^2\text{K}$