

SYSTEM Termoscudo Easy-Flat

Termoscudo is a system of XPS (polystyrene) profiles with high thermal insulation inserted between wood and aluminum.

With Termoscudo is possible to realize a passive window starting from a wood thickness of 68 mm. The Termoscudo profiles used for **sashes** have special additives that allow to reach a lambda value of thermal insulation up to $0.059 \text{ W/(m}^2\text{K)}$, doubly performing compared to softwood. Moreover, sash profiles have a high density and extraordinary screws tensile strength to ensure an optimal fixing of clips.

The Termoscudo profiles used for frame are reinforced by a sheet of ABS and protected by an high scratch-resistant coating. In this way, the profile **frame** is able to reach a lambda value of thermal insulation equal to $0.034 \text{ W/(m}^2\text{K)}$, lower by more than 70% compared to softwood.

Uniform drills in advance all the Termoscudo profiles and screws in advance all the clips necessary thus offering two significant benefits to its customers:

- a simple screwing of Termoscudo profiles to the wood;
- a quick fixing of aluminum profiles to Termoscudo.

Termoscudo Easy-Flat system is suitable for all residential and business context where it is required a contemporary design with simple and square lines. The coplanarity of this wood-aluminum system makes it perfect in every modern building in which it is indispensable the formal purity and essentiality of the line. The isolation provided by Termoscudo fulfills the concept of window performance, with an U_w values between 0.78 and $0.74 \text{ W/m}^2\text{K}$. The flat surface of the profiles also allows the perfect welding of all the elements.

Termoscudo Easy-Flat system
contemporary design and coplanar profiles



NOTES: Calculation made according to UNI EN 10077-2:2004 and UNI EN 10077-1:2007 standards.

Sample dimensions as required by UNI EN ISO 12567-1:2002 (Window with 1 sash LxH:1230x1480mm).

$U_g = 0,6 \text{ W/(m}^2\text{K)}$ $\Psi_g = 0,4 \text{ W/(m}^2\text{K)}$

It is calculated on standard systems with reference to the sections shown in the Uniform technical catalogue.

This calculation was made on the basis of the standards provided below only for the purpose of internal analysis and verification.

The results obtained do not constitute compliance criterion. Such results can be issued only by an authorized certification body.

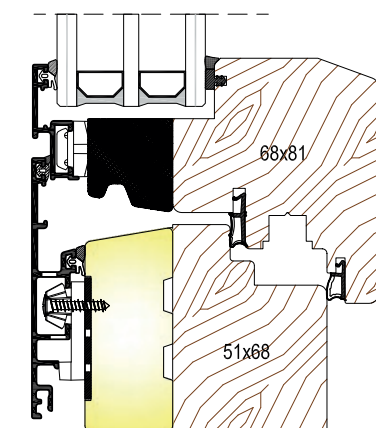
Uniform SpA shall not be held liable for either the values indicated or their use.

Uniform SpA reserves the right to introduce modifications at any time without notice.

Reference Standards: UNI EN 10077-1:2007; UNI EN 10077-2:2004; UNI EN 12524:2001; UNI EN 673:2011.

SYSTEM Termoscudo Easy-Flat

Thickness 68/51



Soft wood $\lambda=0,11\text{W/m}^2\text{K}$

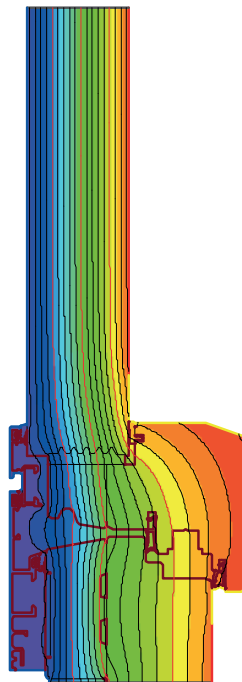
$U_f=0,80\text{W/m}^2\text{K}$

$U_w=0,76\text{W/m}^2\text{K}$

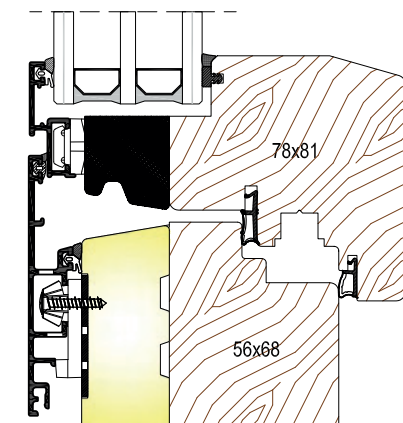
Soft wood $\lambda=0,13\text{W/m}^2\text{K}$

$U_f=0,84\text{W/m}^2\text{K}$

$U_w=0,78\text{W/m}^2\text{K}$



Thickness 78/56



Soft wood $\lambda=0,11\text{W/m}^2\text{K}$

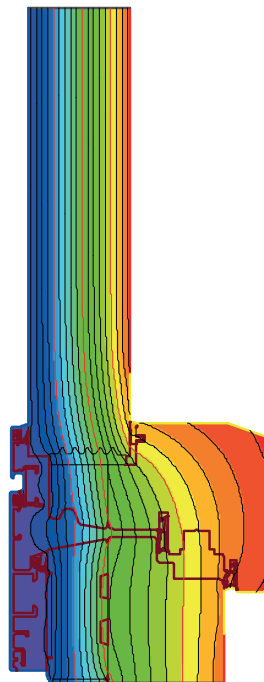
$U_f=0,78\text{W/m}^2\text{K}$

$U_w=0,76\text{W/m}^2\text{K}$

Soft wood $\lambda=0,13\text{W/m}^2\text{K}$

$U_f=0,82\text{W/m}^2\text{K}$

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



Variables λ :

Soft wood $\lambda=0,11\text{ W/m}^2\text{K}$:

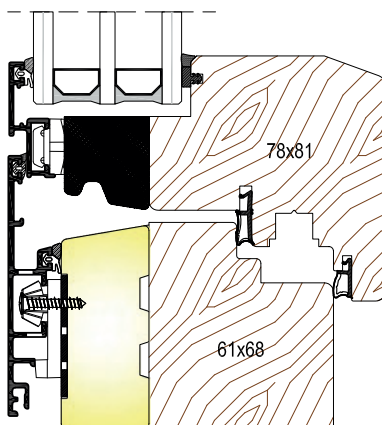
Essence: Silver Fir (ABAL), Spruce (PCAB), Red Cedar (THPL).

Soft wood $\lambda=0,13\text{ W/m}^2\text{K}$:

Essence: African Mahogany (KHXX), Larch (LAXX, LADC, LAER, LAGM, LAOC), Scots Pine (PNSY), Douglas (PSMN), Light Red Meranti (SHLR), American Mahogany (SWMC), Hemlock (TSHT).

SYSTEM Termoscudo Easy-Flat

Thickness 78/61



Soft wood $\lambda=0,11\text{W/m}^2\text{K}$

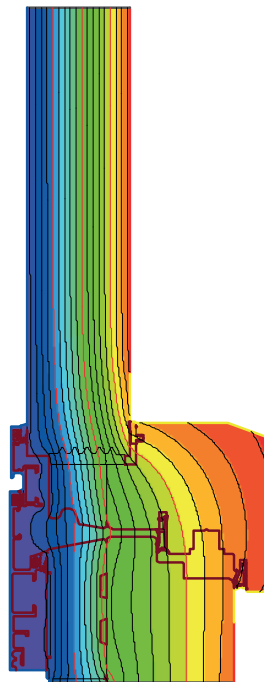
$U_f=0,78\text{W/m}^2\text{K}$

$U_w=0,76\text{W/m}^2\text{K}$

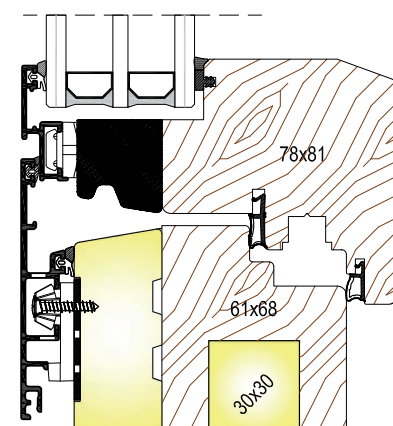
Soft wood $\lambda=0,13\text{W/m}^2\text{K}$

$U_f=0,82\text{W/m}^2\text{K}$

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



Thickness 78/61 PLUS



Soft wood $\lambda=0,11\text{W/m}^2\text{K}$

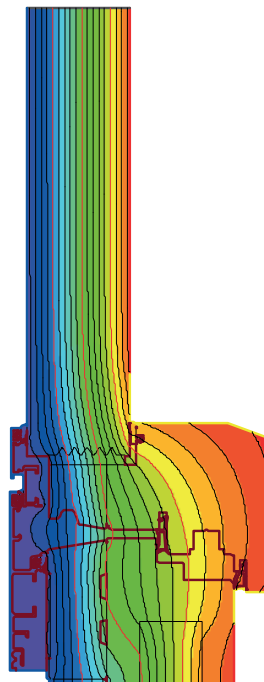
$U_f=0,74\text{W/m}^2\text{K}$

$U_w=0,74\text{W/m}^2\text{K}$

Soft wood $\lambda=0,13\text{W/m}^2\text{K}$

$U_f=0,78\text{W/m}^2\text{K}$

$U_w=0,76\text{W/m}^2\text{K}$



Variables λ :

Soft wood $\lambda=0,11\text{ W/m}^2\text{K}$:

Essence: Silver Fir (ABAL), Spruce (PCAB), Red Cedar (THPL).

Soft wood $\lambda=0,13\text{ W/m}^2\text{K}$:

Essence: African Mahogany (KHXX), Larch (LAXX, LADC, LAER, LAGM, LAOC), Scots Pine (PNSY), Douglas (PSMN), Light Red Meranti (SHLR), American Mahogany (SWMC), Hemlock (TSHT).