

## EASY-FLAT contemporary design and coplanar profiles

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 W/(m<sup>2</sup>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 W/(m<sup>2</sup>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<sub>w</sub> values between 0.78 and 0.74 W/m<sup>2</sup>K. The flat surface of the profiles also allows the perfect welding of all the elements.



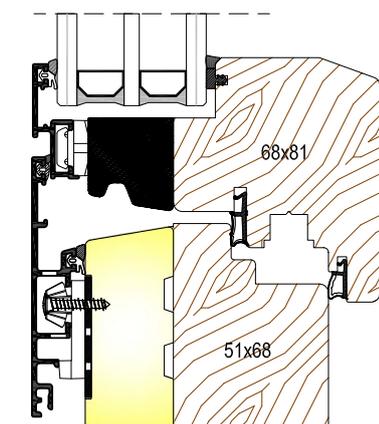
NOTE: calculation performed according UNI EN 10077-2:2004 and UNI EN 10077-1:2007.

Dimension of window sample according to UNI EN ISO 12567-1:2002 (Window with 1 sash LxH:1230x1480mm) U<sub>g</sub> = 0,6W/(m<sup>2</sup>K) g = 0,4W/(m<sup>2</sup>K)

Calculated on standard systems with reference to the sections reported inside Uniform technical catalog on the basis of the applicable regulations mentioned below purely reported for analysis and internal verification. The results do not constitute compliance policy, these results can only be issued by a notified institution. Uniform SpA does not assume any responsibility for the indicated values nor for their use. Uniform SpA reserves the right to make changes at any time without prior notice.

Reference standards: EN 10077-1:2007, EN 10077-2:2004, EN 12524:2001, EN 673:2011;

### Thickness 68/51



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

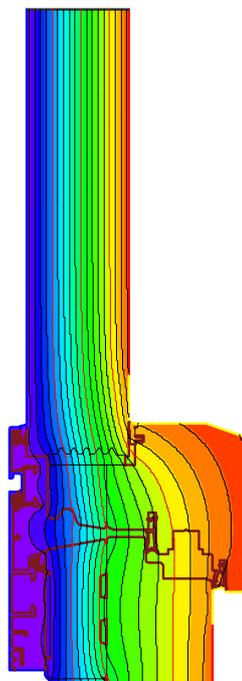
$U_f=0,80\text{W/m}^2\text{K}$

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

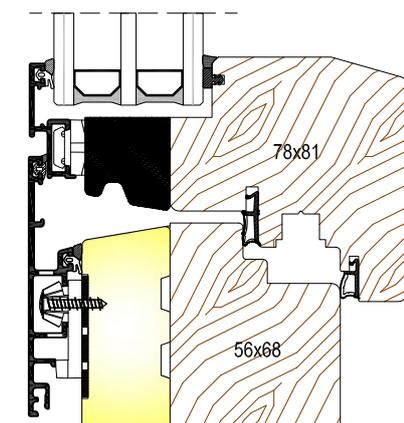
Soft wood  $\lambda=0,13\text{W/m}^2\text{K}$

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

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



### Thickness 78/56



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

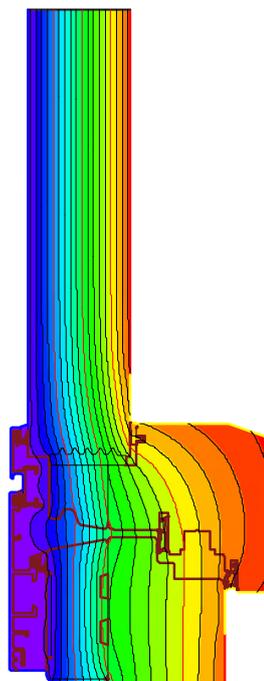
$U_f=0,78\text{W/m}^2\text{K}$

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

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 $\lambda$ :

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

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

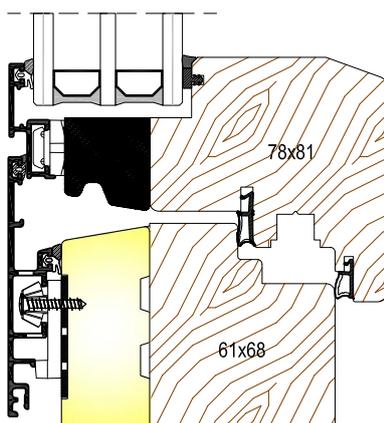
##### Soft wood $\lambda=0,13\text{ W/m}^2\text{K}$ :

Essence: African Mahogany (KHXX), Larch (LAXX, LADC, LAER, LAGM, LAOC)

Scots Pine (PNSY), Douglas (PSMN), Light Red Meranti (SHLR)

American Mahogany (SWMC), Hemlock (TSHT).

### Thickness 78/61



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

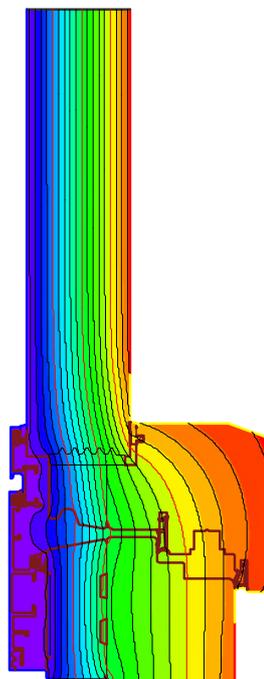
$U_f=0,78\text{W/m}^2\text{K}$

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

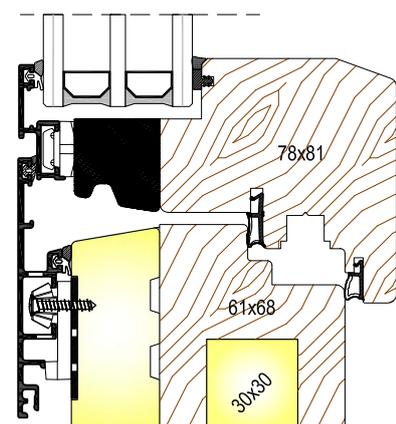
Soft wood  $\lambda=0,13\text{W/m}^2\text{K}$

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

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



### Thickness 78/61 PLUS



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

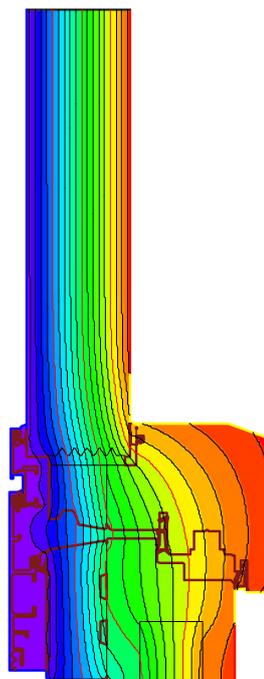
$U_f=0,74\text{W/m}^2\text{K}$

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

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 $\lambda$ :

##### 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).