TERMOSCUDO

EASY-LINE traditional design and the square lines

uniform
sistemi per serramenti

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/(m²K), 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/(m²K), 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-Line system, with its traditional design and the square lines is perfect for making a classic window with high performance characteristics. The thermal efficiency, guaranteed by Termoscudo technology, places the insulation values (Uw) between 0.77 and 0.74 W/(m²K).

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) Ug = 0,6W/(m2K) g = 0,4W/(m2K)
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;

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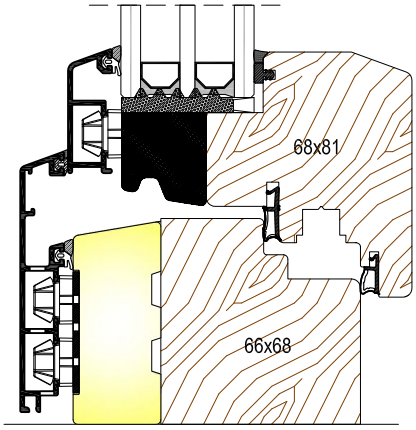
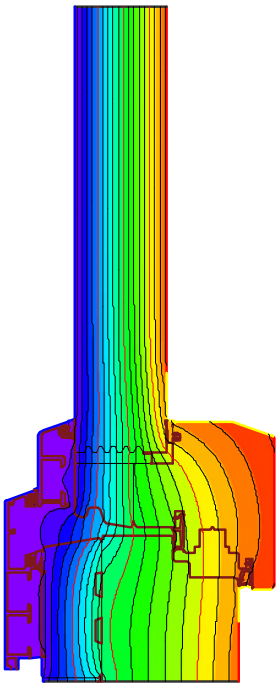
Thickness 68

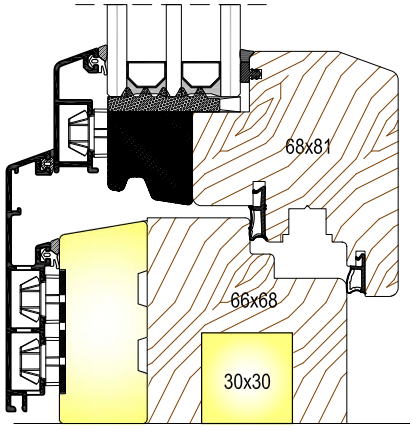


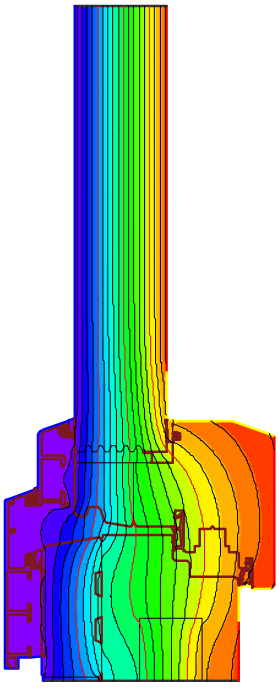


Soft wood λ=0,11W/m²K
Uf=0,78W/m²K
Uw=0,76W/m²K

Soft wood λ=0,13W/m²K
Uf=0,83W/m²K
Uw=0,77W/m²K

Thickness 68 PLUS





Soft wood λ=0,11W/m²K
Uf=0,74W/m²K
Uw=0,74W/m²K

Soft wood λ=0,13W/m²K
Uf=0,79W/m²K
Uw=0,76W/m²K

Variables λ:

Soft wood λ=0,11 W/m²K:
Essence: Silver Fir (ABAL), Spruce (PCAB), Red Cedar (THPL).
Soft wood λ=0,13 W/m²K:
Essence: African Mahogany (KHXX), Larch (LAXX, LADC, LAER, LAGM, LAOC)
Scots Pine (PNSY), Douglas (PSMN), Light Red Meranti (SHLR)
American Mahogany (SWMC), Hemlock (TSHT).

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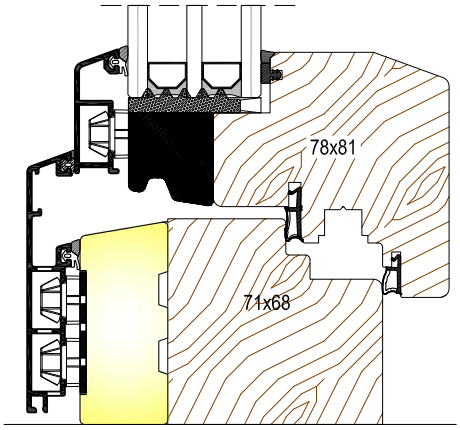
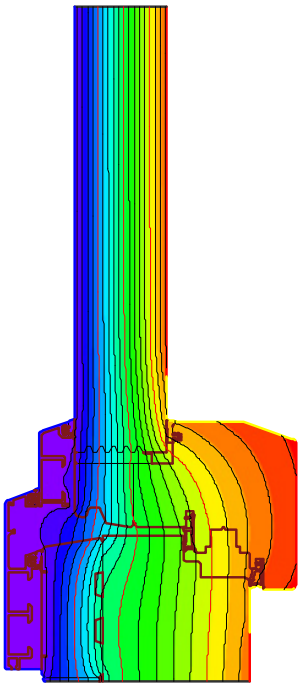
Thickness 78

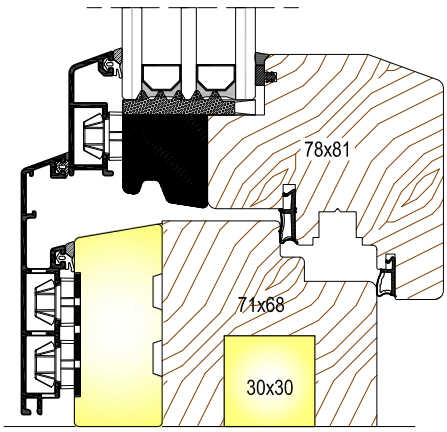


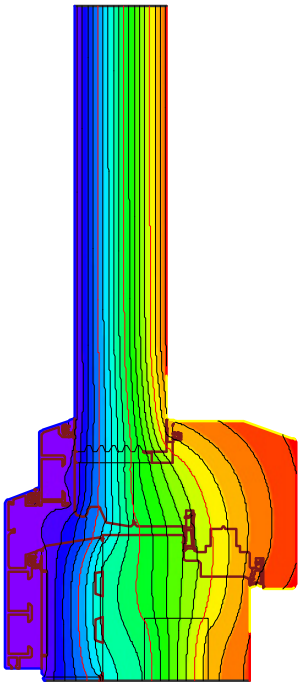


Soft wood λ=0,11W/m²K
Uf=0,77W/m²K
Uw=0,75W/m²K

Soft wood λ=0,13W/m²K
Uf=0,81W/m²K
Uw=0,77W/m²K

Thickness 78 PLUS





Soft wood λ=0,11W/m²K
Uf=0,73W/m²K
Uw=0,74W/m²K

Soft wood λ=0,13W/m²K
Uf=0,77W/m²K
Uw=0,75W/m²K

Variables λ:

Soft wood λ=0,11 W/m²K:
Essence: Silver Fir (ABAL), Spruce (PCAB), Red Cedar (THPL).
Soft wood λ=0,13 W/m²K:
Essence: African Mahogany (KHXX), Larch (LAXX, LADC, LAER, LAGM, LAOC)
Scots Pine (PNSY), Douglas (PSMN), Light Red Meranti (SHLR)
American Mahogany (SWMC), Hemlock (TSHT).