SYSTEM

Termoscudo Easy-Line

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).

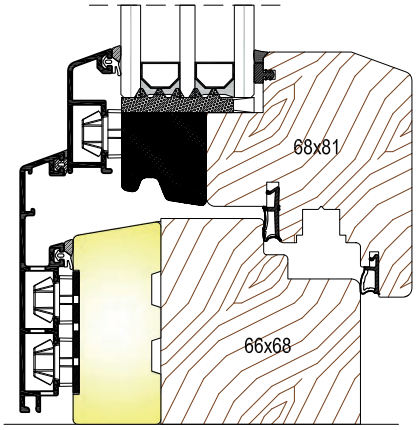
Termoscudo Easy-Line system
traditional design and square lines

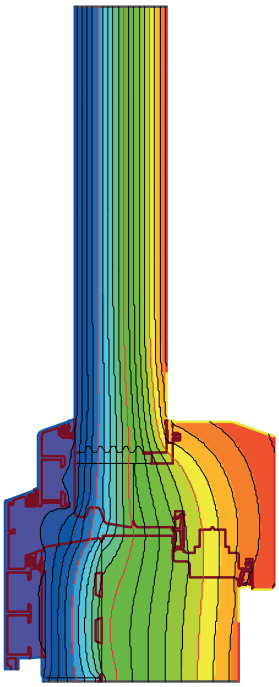
NOTES: Calculation made according to UNI EN 10077-2:2004 and UNI EN 10077-1:2007 standards.
Sample dimensions as required by UNI EN ISO 12567-1:2002 (Window with 1 sash LxH:1230x1480mm).
Ug = 0,6W/(m²K) Ψg = 0,4W/(m²K)
It is calculated on standard systems with reference to the sections shown in the Uniform 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-Line

Thickness 68

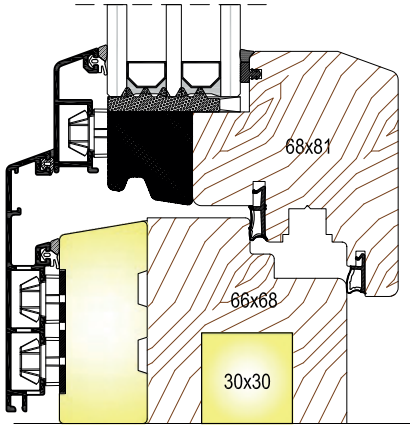


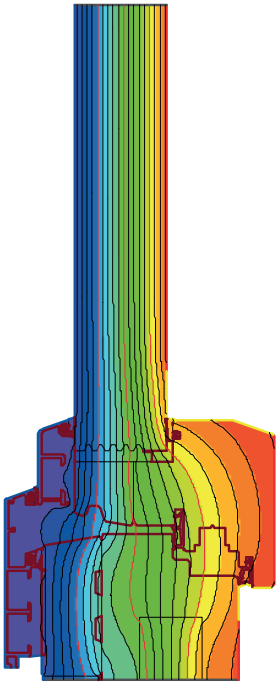


Soft wood λ=0,11W/m²K
Uf=0,78W/m²K
Uw=0,76W/m²K

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

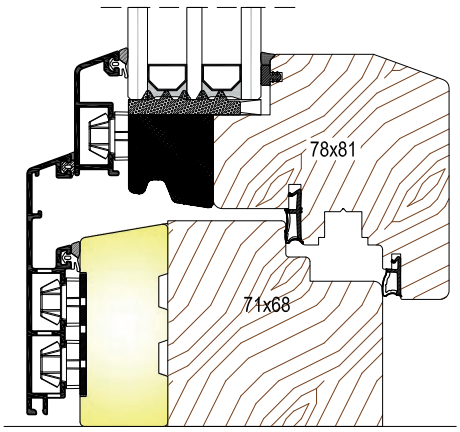
Variables λ:

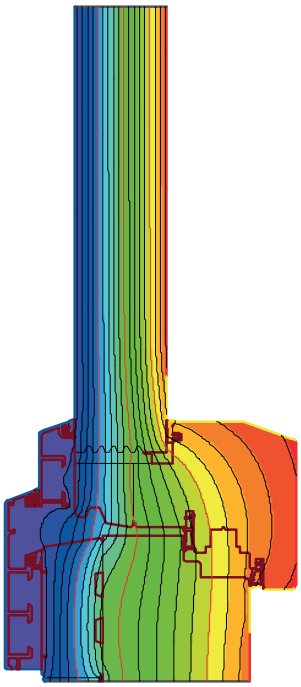
Soft wood λ=0,11 W/m²K:
Essence: Silver Fir (ABAL), Spruce (PCAB), Red Cedar (THPL).
Soft wood λ=0,13 W/m²K:
Essence: African Mahogany (KHXX), Larch (LAXX, LADC, LAER, LAGM, LAOC), Scots Pine (PNSY), Douglas (PSMN), Light Red Meranti (SHLR), American Mahogany (SWMC), Hemlock (TSHT).

SYSTEM

Termoscudo Easy-Line

Thickness 78

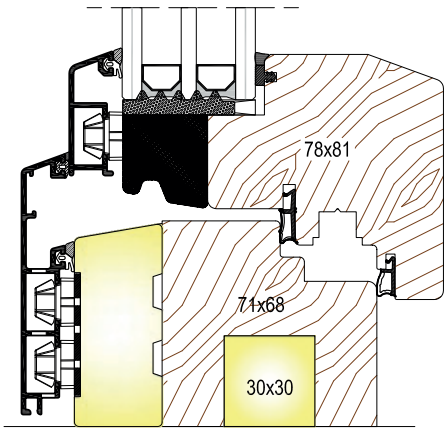


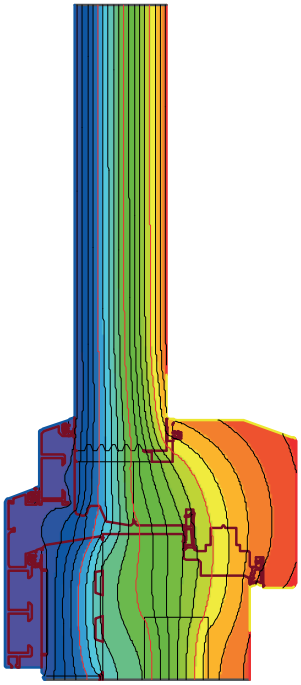


Soft wood λ=0,11W/m²K
Uf=0,77W/m²K
Uw=0,75W/m²K

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).