

PVC Windows Specifications

Passive Line Plus

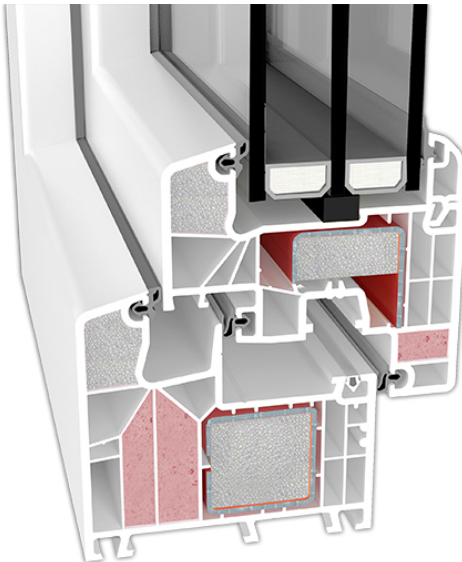
Passive-Line PLUS windows are characterised by a high thermal insulating power at a good price. With a pane with argon $U_g = 0.5 \text{ W/m}^2\text{K}$, the reference window achieves a heat transfer coefficient U_w of $0.7 \text{ W/m}^2\text{K}$.

Innovativeness of this product consists in applying polyurethane foam and styrofoam blocks in profile chambers. Modern unconventionality also lies in the insert, made of PES tape, which insulates glass units.

It is just an ideal solution for energy-efficient and passive houses.

Advantages of this product:

- energy efficiency — a significant reduction of heating costs
- a decisively higher thermal insulating power
- a better acoustic insulation ensured by a triple set of gaskets

Profile	Advantages of Passive-Line Plus profiles: • embedding depth: 85mm • 6-chamber profile • sealed glazing units of up to 48mm in width can be used • thermal insulation coefficient of profiles: $U_f = 0.9 \text{ W/m}^2\text{K}$ • internal sealing system with three gaskets • a higher window stability thanks to the stiffening properties of panes • a better thermal insulating power compared to traditional solutions
Pane	4/18Argon/4/18Argon/4TM 48mm $U_g=0, 5\text{W/m}^2\text{K}$; $g=50\%$; $L_t=70\%$
Glazing bead	
Fittings	SIEGENIA TITAN AF • handle at mid-height • all rollers in casements: KoPiBo mushroom, rotating and self-adjusting • striker plate in every R and RU casement • RU casement fitted with a finger lift in the bottom corner, integrated with an incorrect handle position lock

	• RU casements: microventilation • anti-draught deadbolt in the U function in the RU casement • the RU casement fitted with air latches supported while switching from partial opening to closed position • the bottom fitting groove filled with packing
Handle	
Gaskets and packing	TPE
Reinforcement	galvanised steel
Coextrusion	present

Heat transfer coefficient

Frames	$U_f = 0,9 \text{ W/m}^2\text{K}$
Windows	$U_w = 0.7 \text{ W/m}^2\text{K}$ (panes: $0.5 \text{ W/m}^2\text{K}$)

Standard equipment:

Additional thermal insulation of chambers with a polyurethane mixture	 additionally insulating polystyrene inserts
Microventilation system	
Sealed glazing unit	4/18Argon/4/18Argon/4TM 48mm $U_g=0,5 \text{ W/m}^2\text{K}$; $g=50\%$; $L_t=70\%$ warm edge
Fitting profile	
Fitting profiles sealed with foam	
Fittings with a	Siegenia Titan AF striker plate
Bottom part of the frame filled with a foam sealant	

Handle protected against mishandling	
Gaskets	grey TPE (white windows)
Aluminium handles	
Assembly anchors	