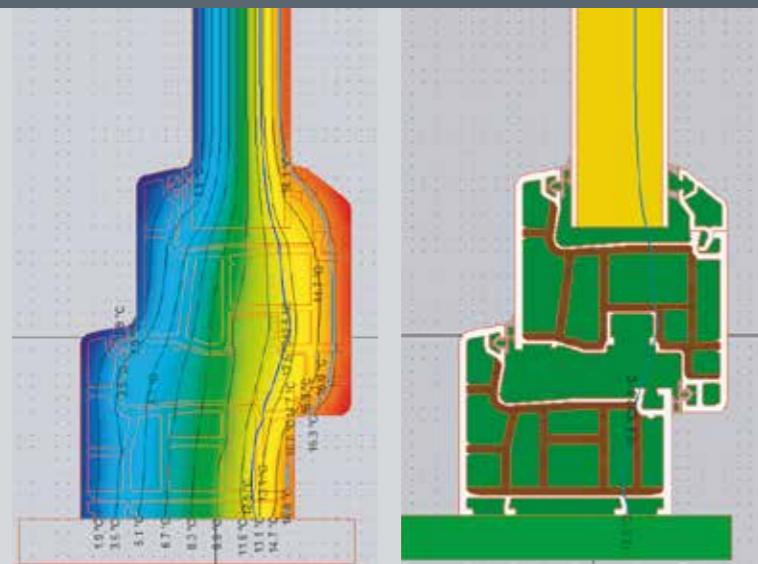


TECHNICAL SPECIFICATIONS



OUR CERTIFICATIONS



750 PENWOOD SYSTEM



A game - changing innovation brought to you by ADOPEN: PENWOOD WINDOWS.

The revolutionary new product PENWOOD, by ADOPEN, is a unique product which removes the separate profile and steel sheet applications, provides an excellent insulation in every climatic condition, removes the application of steel sheet applications and reduces the cost of labor.



Eco Friendly



Wind Proof



Water Proof



UV Protection



Heat Insulated

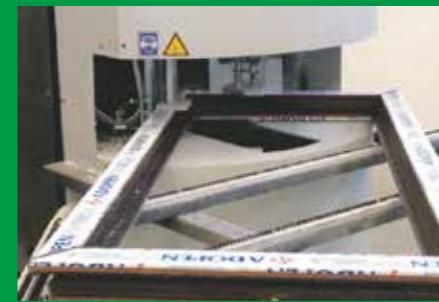


Sound Proof

- Penwood is a 100% recyclable environmentally friendly product thanks to its raw materials.
- It has superior insulation properties due to the combination of the natural structure of wood and high technology production.
- With its UV and UF values (heat insulation) in European standards, they are more practical than other products on the market.
- Thanks to its high insulation values, it is an economical product because it prevents heat loss and exchange inside the building.
- All tests performed against all kinds of climatic conditions (heavy rain, snow, cold, wind, high temperature, etc.) have been successful.



CUTTING: There is no need to make any changes to the machine settings in the 750 Penwood system, as windows are cut in the manual single head-double head cutting machines, including automatic cutting - machining center.



HANDLE AND WATER DISCHARGE: In the 750 Penwood system, there is no need to make any adjustment changes in the water discharge and handle hole drilling machines, including automatic machining center, without disrupting the current system



PROFILE END MILLING: In the 750 Penwood system, milling process is performed without having to make any adjustment changes in the current profile end milling machine and W750 profile blades, including multiple profile end milling machines.



CORNER WELDING: In the 750 Penwood system, welding is done by using PVC 750 welding moulds present in the single-double head CNC 4 head welding machines. Only weld time and melt down period has to be adjusted. Weld time varies from machine to machine, melting temperature is 240 and melting time is 28 secs and standby time is 30 secs. In addition, no different settings are required in the machine.

Average corner weld strength value according to EN 514 is 5 kN (1 kN = 100 Kg.)



CORNER CLEANING: In 750 Penwood profiles, corner cleaning blades of current PVC 750 series profiles are the same and used commonly. At the same time, no changes to the CNC corner cleaning settings are required.

MULLION CONNECTION: In the 750 Penwood systems, already present PVC 750 series mullion connectors are used. The most important issue here is to use the 3,9x32 mm YHB espagnolette screw when connecting the connectors to profile end and door case. In addition, a 4,7 x 60 mm puller screw should be placed on the profile end from the door case. The screws hold double curtains in the profile, so the single screw can carry loads up to 450 kg.



SASH ASSEMBLY: In the 750 Penwood system, in the hinge, case and sash assembly, the usage of a YHB espagnolette screw of 3,9x38 mm is mandatory. Self-drilling screws should never be used. It is mandatory to use a YHB espagnolette screw of 3,9x25 mm when making an espagnolette connection in the 750 Penwood system. Self-drilling screws should never be used.

***With 750 Penwood system profiles, profile bending can also be performed and thus strength and endurance in all parts of the profile is maintained.**