



ALAVUS WINDOWS AND BALCONY DOORS



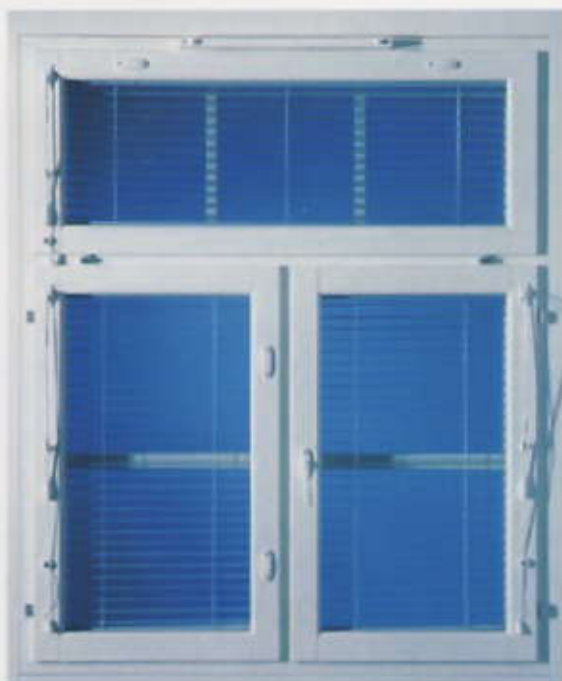
Alavus Ikkunat Oy produces very high quality windows and balcony doors in Finland. Alavus is one of the most famous carpentry brands in Finland, known for its high quality wood industry. The company maintains its high reputation with ongoing product and production development. The Alavus product range covers all possible wooden or aluclad window and balcony door possibilities for both construction and renovation projects.

ALAVUS WINDOWS

PROPERTIES

Behind Alavus quality, there is research and tests carried out by SFS (Finnish building institute). All windows have been tested and approved according to Euro-norms, as well as Din and Russian norms.

- *air tightness: class 1
- *rainwater resistance: class 1
- *wind pressure resistance: class 1
- *wood quality: class V
- *U-values: 1,18...2,37 W/m²K depending on type
- *sound reduction: 25...45 dB



QUALITY CONTROL

- *SFS certificate

SURFACE TREATMENT

- *Double layer, electrostatic painting including a smoothing in between
- *Two or three color painting to order, standard color being white
- *Alternatively, impregnation, staining or lacquering, with many color options

ACCESSORIES

Alavus windows can be fitted with the following accessories among others:

- *ready installed shutters (several color options available)
- *Fixed or removable gratings
- *venetian blinds (several color options available)
- *air vents
- *air inlet system with vent
- *insect-screens with aluminum frames

HARDWARE AND GLASS

The windows are ready-made with hardware that meet Euro-norms. There are several glass options.

USEFUL LIFE AND MAINTENANCE

Alavus windows are designed to last 30 – 40 years. Painted exterior surfaces may require maintenance every 5 – 10 years (in aluclad windows, this period is much longer), and interior surfaces about 12 – 20 years.

It is recommended that lacquered surfaces be maintained for the first time after 4 years and the process be repeated every 2 years.



EXPORT SERVICES

Alavus has an extensive knowledge of, and a vast experience in, Nordic and CIS countries where the climate is very demanding. The windows are suitable for those conditions and they fulfill the requirements of the local norms. Alavus has a wide product range that also includes solutions suitable for warmer climates in southern countries.

Alavus assists its clients directly or through its partners, to choose the proper product for their projects. As a partner, if required, Alavus will oversee the export of the goods to the country where the construction site is, and supervise the installation. Please contact Alavus, or your local dealer for any information you may need. Alavus is ready to assist in even the most challenging projects anywhere around the world.

ALAVUS DOUBLE SASH ALUCLAD WINDOWS



MSE/A, MS/A

Wood: Pine, frame laminated and finger jointed, visible surfaces knot-free. Sash finger jointed knot-free in painted windows, high quality massive sash for stained windows.

Aluminum parts: The exterior parts of the frame and the sash are aluminum.

Frame depth: 130, 150, 170, 210 mm.

Surface treatment: Wooden parts painted, stained or lacquered, aluminum parts powder painted or anodized.

Glass: For MSE/A, double selective glass inside and single glass on the outside. For MS/A, one single glass inside, one outside. Colors available for both models on special order.

Sealing: For MSE/A double standard seal inside and single seal outside. For MS/A, one single standard seal inside, one outside.

Hardware: Fiskars hinges for inside and outside sashes, locks and single locks for inside sash Primo with metal plates, lock for outside sash Fiskars, opening windows hold-piece Morite, all surface hardware ready-installed.

ALAVUS DOUBLE SASH WOODEN WINDOWS



MSE, MS

Wood: Pine. For MSE, frame laminated and finger jointed, visible surfaces knot-free. Sash finger jointed knot-free in painted windows, high quality massive sash for stained windows. For MS, massive high quality pine.

Aluminum parts: Bottom of the exterior sash is aluminum.

Frame depth: 130, 150, 170, 210 mm. for MSE. Only 130 mm. for MS.

Surface treatment: Wooden parts painted, stained or lacquered, aluminum parts powder painted or anodized.

Glass: For MSE, double selective glass inside and pane of glass on the outside. For MS, one pane of glass inside, one outside. Colors available for both models on special order.

Sealing: For MSE double standard seal inside and single seal outside. For MS/A, one single standard seal inside.

Hardware: Fiskars hinges for inside and outside sashes, locks and single locks for inside sash Primo with metal plates, lock for outside sash Fiskars, opening windows hold-piece Morite, all surface hardware ready-installed.

ALAVUS FIXED WINDOWS

Alavus also has fixed windows for each product line it offers: types MEK/A, MEK, and HEK, shown below. These can be supplied with the same frame depth, with two or three glass according to demand. The specifications of these fixed windows match the openable types presented above.

ALAVUS SINGLE SASH WOODEN WINDOWS

Wood: Pine, frame laminated and finger jointed, visible surfaces knot-free. Sash finger jointed knot-free in painted windows, high quality massive sash for stained windows.

Aluminum parts: The exterior parts of the frame and the sash are of aluminum.

Frame depth: 68-105 mm.

Surface treatment: Wooden parts painted, stained or lacquered, (for aluminum parts powder painted or anodized.)

Glass: Double selective glass. Colors available for both models by special order.

Sealing: Double standard seal.

Hardware: Fiskars hinges, locks Primo with metal plates, all surface hardware ready-installed.



ALAVUS BALCONY DOORS

Alavus balcony doors are designed to match the Alavus windows so that a visual wholeness is achieved. The product range includes a one-sash outward opening type, and two-sash inward or outward opening types. Built to size balcony doors are suitable for both new projects and renovation projects. The frame depths are the same as the windows. The use of the best possible materials and the lamination of the wooden parts make the doors very strong and durable. All balcony doors fulfill the Euro-norm's requirements.



IOUA, IPO/A

Structure: One-sash outward opening door. General thickness 79 mm, body and the frame laminated pine, thickness 68 mm, EPS-plate insulated blind part, thickness of the blind part 46 mm. Both the leaf and the frame are aluclad. Frame depths standard 130 mm and 170 mm, standard oak threshold.

Sealing: 2 x standard seal

Surface treatment: wooden parts painted or stained

Hardware: 3 x Fiskars 3248-110TMKSS hinges, Fix 896F locable long lock with door brake system, Primo 83 handles on both sides, with interior lock knob and break-in bar, possibility of installing a cylinder lock.

Glass: Triplex glass, interior and exterior glass 6 mm, selective, argon U-value below 1,1 W/m²K. The glass height can be chosen according to the adjacent window, such as 12k, 18 k etc.

Standard sizes: 90 x 210 and 90 x 230

IPO/A is a double sash balcony door with an aluminum outer sash.