

**Construction:**

Frame: 93x80mm

Sash: 109x80mm, multi laminated wood, joined on length with aluminium coplanar clad.

**Material:**

Spruce or Pine

**Acoustic insulation:**

Acoustic insulation 32-49dB (depending on the selected glazing unit)

**Thermal transmittance for IV78 wood alu profile:**

$U_{w \text{ small}} = 0,98 \text{ W/m}^2\text{K}$

$U_{w \text{ Standard}} = 0,83 \text{ W/m}^2\text{K}$

$U_{w \text{ Large}} = 0,82 \text{ W/m}^2\text{K}$

**Glazing**

Standard: 4 float/18 Ar w.e. / 4 float / 18 Ar w.e. / 4 lowe with  $U_g = 0,5 \text{ W/m}^2\text{K}$

Warm edge is offered as gift at any order.

**Hardware:**

Standard hardware Roto NX with micro ventilation and anti-burglar catch.

Hidden hardware can be chosen.

Optional fittings with extra safety class: RC1, RC2 or RC3

**Colour:**

Any kind of colour from RAL chart is available, also a set of transparent colours from Remmers.

**Seals:**

We use 2 seals Q-Ion and 2 EPDM as standard for this system. The core is made of polyurethane foam, outer coating of polyethylene is weatherproof, resistant to UV radiation and pollution. Available in colours: brown or white.

**Handles:**

Standard handles are the one's from Hoppe New York Secustik in colors white, brown, silver, bronze or gold.

A handle with a key is possible in the same colors.

**Type of window openings**

The system IV78 wood alu is suitable for all types of openings, windows, balcony doors, tilt and slide doors.

Thermal conductivity values are calculated in accordance with SR EN ISO 10 077-1 / 10 077-2 and measurements are made on the following dimensions:

Small : 615/740 mm

Standard : 1230 x 1480 mm

Large (2 wings) : 1540 x 1840mm

$U_f \text{ softwood} (0,11 \text{ W/m}^2\text{K}) = 1,1 \text{ W/m}^2\text{K}$

$U_f \text{ soft/hardwood} (0,13 \text{ W/m}^2\text{K}) = 1,22 \text{ W/m}^2\text{K}$

$U_f \text{ hardwood} (0,18 \text{ W/m}^2\text{K}) = 1,47 \text{ W/m}^2\text{K}$

## Windows IV78 wood alu coplanar

