

**Construction:**

Frame : 78 x 80mm  
Sash : 78 x 107mm, multi laminated wood, joined on length. Any shape and size is possible.

**Material:**

Spruce, Pine.

**Acoustic insulation:**

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

**Thermal transittance for IV78 profile:**

$U_d$  Standard glazing = 0,9 W/m<sup>2</sup>K

$U_d$  Standard panel 33% = 0,9 W/m<sup>2</sup>K

$U_d$  Large glazing = 0,98 W/m<sup>2</sup>K

$U_d$  Large panel 33% = 0,98 W/m<sup>2</sup>K

**Glazing**

Standard: 4 float/16 Ar w.e. / 4;  $U_g = 1,1$  W/m<sup>2</sup>K

Panel: 22 mm Spruce + 20 mm Polystyrene + 22 mm Spruce = 24mm ( $U_p = 0,93$  W/m<sup>2</sup>K)

**Hardware:**

Standard hardware Roto DoorSafe with 5 locking points and Simonswerk Baka hinges.

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 3 seals Q-Ion 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, white, black or grey.

**Silicone:**

Silicone colour matching wood colour: white, transparent or brown

**Handles:**

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

**Type of window openings**

The system D78 is suitable for casement, sliding or lift 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:

Standard : 1000 x 2100 mm

Large (2 wings) : 1800 x 2100mm

$U_f$  softwood (0,11 W/m<sup>2</sup>K) = 1,02 W/m<sup>2</sup>K

$U_f$  soft/hardwood (0,13 W/m<sup>2</sup>K) = 1,14 W/m<sup>2</sup>K

$U_f$  hardwood (0,18 W/m<sup>2</sup>K) = 1,4 W/m<sup>2</sup>K

**Doors D78**

