EUROWIND

Quality Tested. Nature Approved.

ALUWOOD SYSTEMS

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Eurowind specializes in the production of wooden and aluminum windows and doors systems since 1996 and 2006 in US.
Thanks to the evolving know-how and the modern technological equipment, the company provides the US and international markets with integrated systems and products of irreproachable security, aesthetics, quality, thermal and sound insulation. All **Eurowind**'s products are ISO 9001 and/or AAMA, NFRC certified.

TECHNICAL SPECIFICATIONS OF ALUWOOD SYSTEMS

ALUMINIUM ALLOY
AlMgSi (EN AW 6060)

ELECTROSTATIC PAINTING
According to European Standards
(Qualicoat, RAL & GSB)

HARDNESS
12 Webster or 70 HB minimum

MINIMUM THICKNESS OF PAINTING (H/B)
75 μm

ALUMINIUM SECTIONS
Design in 1.5 – 1.7 mm

Profile extrusion is carried out by Alumil S.A.

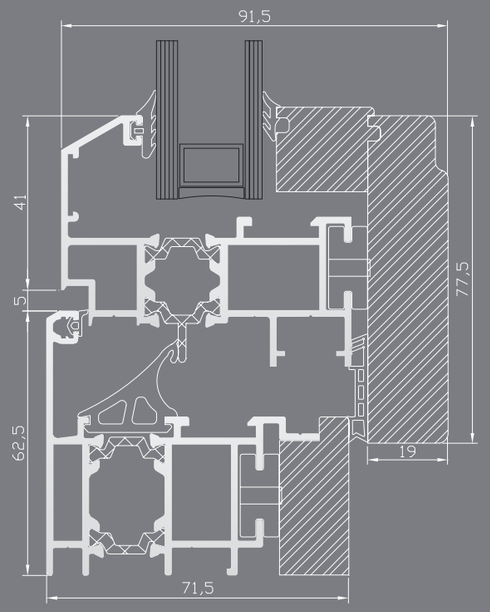

AluWood 1400

Wood and Aluminium in Absolute Harmony

The **AluWood 1400** series, exclusively designed and manufactured for **Eurowind**, is the company's response to current standards for door and shutter assemblies.

The series combines the manufacture of thermal insulation door and shutter assemblies with the natural warmth of wood into an integrated product with perfect functionality, irreproachable aesthetics and zero maintenance requirements.

AluWood 1400



AluWood 1400

Tilt and turn system in wood & aluminium combination

Technical characteristics

- Panel width: 91.5 mm
- Frame width: 71.5 mm
- Solid oak wood lining: 19 mm
- Frames and panels equipped with thermal break made of 18mm glass reinforced polyamide
- High thermal permeability coefficient (U_R = 1.4 W/m2 K (Group 1.0)
- Absolute sealing with three EPDM rubbers
- Large water runoff sections in both frame and panel
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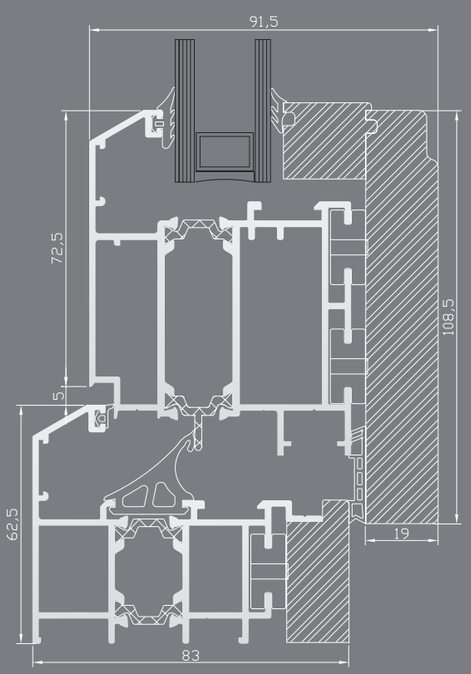
- A/A steel circumferential mechanism of the G-U House with mushroom like lockings (level of safety no 3)
- Panel weight: up to 130 kg
- Glaze width: from 25 to 45 mm

AluWood 1400 Entrance Profile



AluWood 2500
Wood and Aluminum in Absolute Harmony

AluWood 2500 series guarantees an excellent cost-quality relationship while maintaining high standards of thermal insulation efficiency, aesthetics and the quality characteristics of the series.

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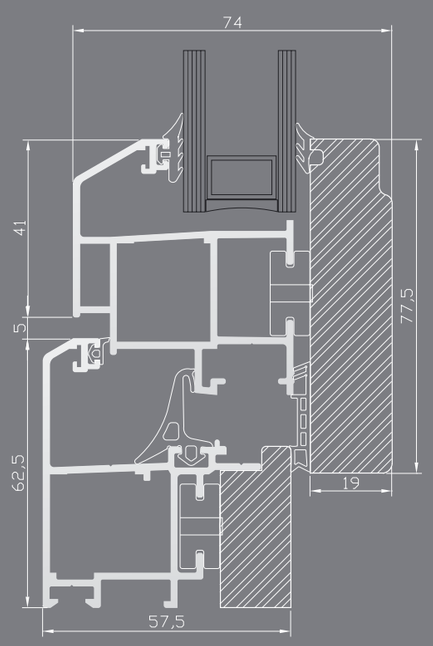
AluWood 2500

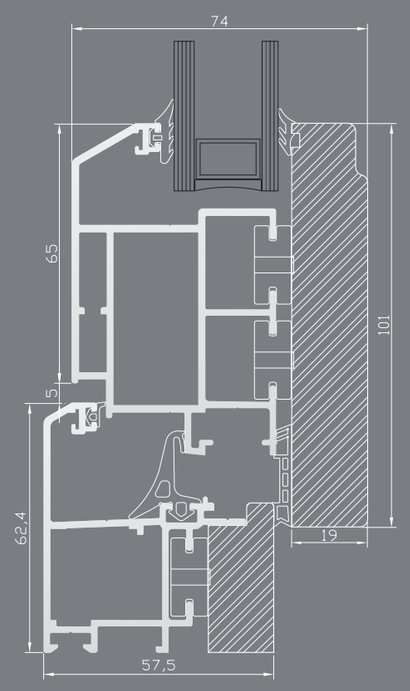


AluWood 2500
Tilt and turn system in wood & aluminium combination

Technical characteristics

- Panel width: 74 mm
- Frame width: 57.5 mm
- Solid oak wood lining: 19 mm
- High thermal permeability coefficient U_R = 2.5 W/m² K (Group 2.1)
- Absolute sealing with three EPDM rubbers
- Large water runoff sections in both frame and panel
- Special bond between aluminium and wood allowing each material's independent adaptation to temperature changes
- A/A steel circumferential mechanism of the G-U House with mushroom like lockings (level of safety no 3)
- Panel weight: up to 130 kg
- Glaze width: from 24 to 28 mm

AluWood 2500 Entrance Profile



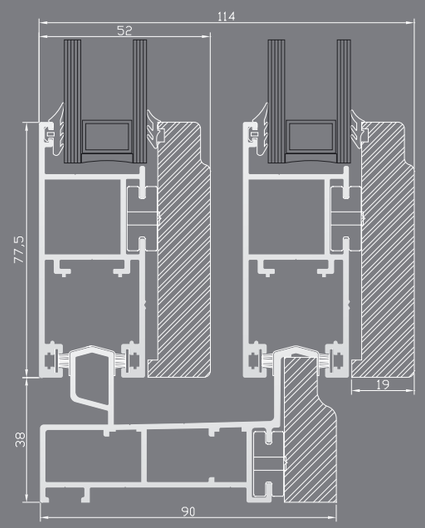
AluWood Slide

Slide system of two criss-crossing joining frames in wood & aluminium combination

Technical characteristics

- Panel width: 52 mm
- Frame width: 90 mm
- Solid oak wood lining: 19 mm
- Stainless steel guide
- Special bond between aluminium and wood allowing each material's independent adaptation to temperature changes
- Multi-point in-line lock of the G-U House
- Large water runoff sections in both frame and panel
- Absolute sealing by Hi-Fin membrane brushes
- Panel weight: up to 130 kg
- Glaze width: from 24 to 28 mm

AluWood Slide



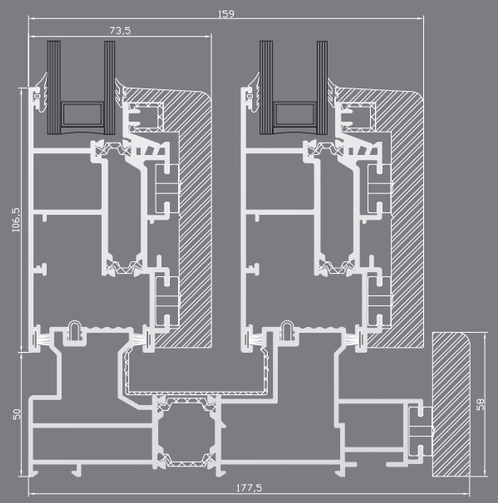
M 23300 Forestal

Heavy duty slide system with raising panel mechanism in wood & aluminium combination

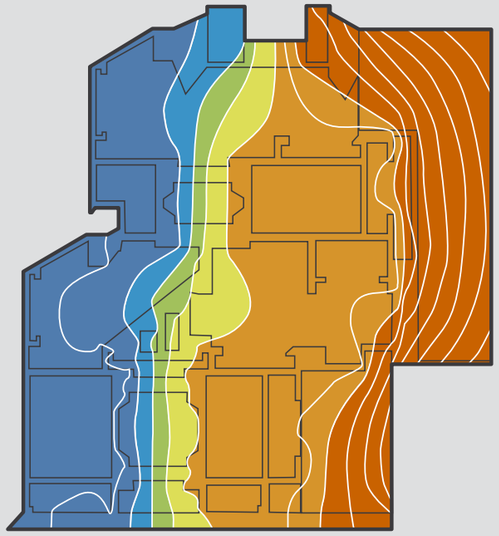
Technical characteristics

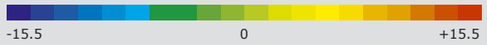
- Panel width: 73.5 mm
- Frame width: 177.5 mm
- Solid oak wood lining: 15 mm
- Thermal break made of 15mm and 24mm glass reinforced polyamide for the panel and frame respectively
- High thermal permeability coefficient U_R = 1.8 W/m^2 K (Group 1)
- Absolute two - level sealing with EPDM rubbers
- Large water runoff sections in both frame and panel
- Special bond between aluminium and wood allowing each material's independent adaptation to temperature changes
- Double motion mechanism with steel rollers on an inox guide of the G-U House
- Panel weight: up to 250 kg
- Glaze width: from 24 to 30 mm

M 23300 Forestal

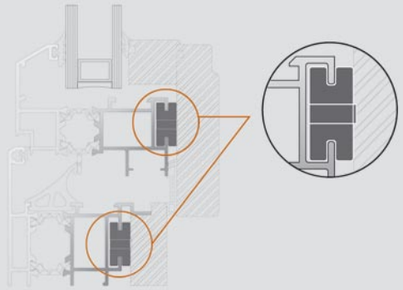


THERMAL PERMEABILITY DIAGRAM





Eurowind's products have a high thermal and sound insulation performance due to **the correct combination of the aluminum section and the thermal-sound insulation of the sheet glass.**



Special bond between aluminium and wood allowing each material's independent adaptation to temperature changes

TABLE OF THERMAL PERMEABILITY & SOUND INSULATION MEASUREMENTS

The measurement of thermal insulation is made via the K (w/m²c)– THERMAL CONDUCTIVITY formula
The lower unit of measure of K implies better thermal insulation

The measurement of thermal insulation is made in db (decibel) – SOUND INSULATION Rw.
The higher unit of measure of db implies better sound insulation

Glaze Type	Thermal permeability coefficient	Thermal permeability coefficient with Argon gas	Sound insulation coefficient	Sound insulation coefficient with SF6 gas
4 / 15 / 5	2,8 K	2,6 K	30 db	33 db
5 / 15 / 4 Sunergy	2,1 K	1,9 K	30 db	33 db
5 / 15 / 4 Energy.N	1,4 K	1,2 K	30 db	33 db
5 / 12 / 3+3 Triplex	2,8 K	2,6 K	33 db	36 db
3+3 Triplex/12/4+4 Triplex	2,8 K	2,6 K	35 db	38 db