EXLABESA
ARCHITECTURE

Massive. Beautiful.
Efficient.

ARS-77 Slim

Système à frappe
avec rupture de pont thermique.

The **ARS-77 Slim** has been developed as a high-end window system intended for projects where architectural design is a key differentiating factor.

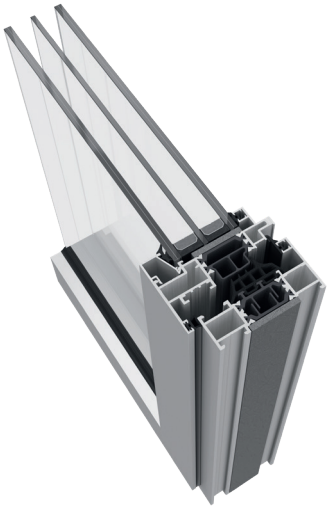
Its slim visible profile of just 75 mm, one of the most reduced in the market, enables an increased glazed surface area, maximising natural light intake and providing a refined visual lightness to the overall composition. With an industrial-inspired aluminium design, its profiles feature well-defined lines and a stepped geometry reminiscent of traditional steel joinery, enhancing its architectural character.

From a technical standpoint, it incorporates a 34 mm thermal break, EPDM seals and polyethylene foams, achieving a high level of thermal insulation with U_f values of 1.6 W/m²K and U_w values as low as 0.8 W/m²K.

Furthermore, it includes solutions such as concealed hardware, micro-ventilation and an integrated drainage system, improving both comfort and performance. Its compatibility with the ARS platform also enables optimised fabrication through the shared use of components.

Features

- Euro groove hardware
- Visible sash-frame section of 75 mm for an ultra-compact design
- Industrial aesthetic inspired by steel joinery
- Concealed hardware and micro-ventilation option
- Option of concealed frame with drainage
- 34 mm thermal break, EPDM sponge central seal and cellular polystyrene foams
- Safety packer for load optimisation
- Interior bead for traditional manufacturing
- Full compatibility with the ARS platform for standardised fabrication



TECHNICAL FEATURES

Design

The **ARS-77 Slim** features a visible section of 75 mm and a stepped aesthetic, designed to replicate the appearance of steel joinery in aluminium. It allowsglazing thickness up to 59 mm, maximising natural light entry and providing a defined architectural look.

Features

The system incorporates a 34 mm thermal break, central EPDM gasket, and cellular polyethylene foams, improving thermal performance and system watertightness. The safety packer ensures correct transmission and distribution of loads to the hardware, increasing reliability. In addition, the interior bead facilitates and optimises manufacturing processes.

Benefits

It provides a thermal transmittance U_f of 1.6 W/m²K and U_w values of up to 0.8 W/m²K, depending on the configuration, ensuring a high level of energy efficiency. Acoustic insulation reaches up to 44 dB, and it has an AEV rating of Class 4/E2400/C5, guaranteeing optimal performance even under demanding conditions.

Possibilities

It accommodates concealed hardware, micro-ventilation, and a frame with concealed drainage, allowing the system to be adapted to different technical and aesthetic requirements without compromising its design identity.

Max. recommended dimensions (LxH)*	1500x3000 mm/sash 1400x2600 mm/sash
Maximum recommended weight**	180 kg/sash
Maximum glazing	59 mm
Polyamide	34 mm
Thermal insulation U_w***	Up to 0,8 W/m²K
Thermal insulation U_f	1,6 W/m²K

Weather test results for a 2-sash window 1230x1480 mm
* For a 1 sash window
** Depending on the dimensions and type of opening
*** For a 1 sash window 1100x2200 mm

Air permeability ▶ Class 4

1 2 3 **4**

Watertightness ▶ Clase E2400

1A 2A 3A 4A 5A 6A 7A 8A 9A **E2400**

Wind load ▶ Clase C5

C1 C2 C3 C4 **C5**

Acoustic insulation Rw

44 dB$_{(-1;-3)}$