



P400

FLUSH DOORS

High-Performance Aluminium
Flush Entrance Door System

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A thermal **flush entrance-door system** that pairs cutting-edge insulation with pure, minimal design. High-performance aluminium profiles, flush surfaces and concealed hinges create a seamless architectural look, while a free choice of cladding — aluminium sheet, HPL, safety glass, synthetic, ceramic or timber — gives designers complete freedom. Engineered for luxury, character and precision for premium homes and high-end architectural entrances.

Modern Design. Structural Excellence.

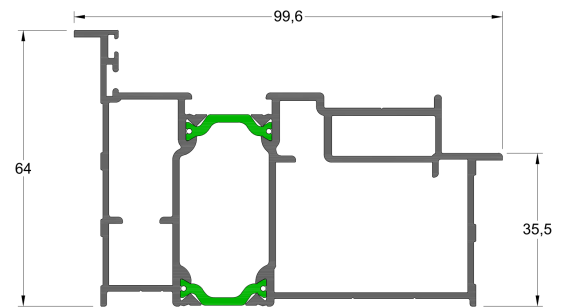
- Typical system depth **100 mm** (frame/sash with 6 mm cladding each side)
- Cladding thickness up to **6 mm** per side
- Thermal break with polyamides and triple-gasket sealing
- U_d value up to **0.75 W/(m²K)**
- Suitable for single or double-leaf doors, plus fixed side or top panels

Key Design Features

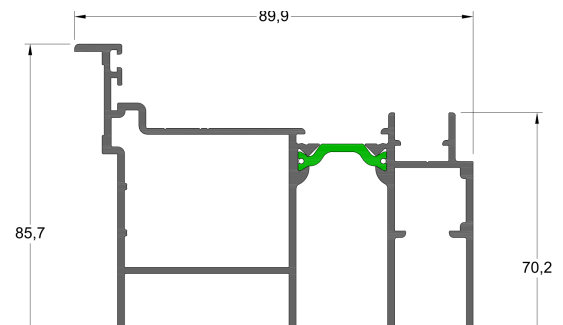
- Modern aesthetic with flush surfaces and concealed hinges
- Fully compatible with electric locks, multi-point locking and access control
- Robust mechanisms for large and demanding installations
- Complete airtightness with perimeter gaskets and excellent sound insulation
- Weather-resistant construction with advanced sealing gaskets
- Adaptable threshold configurations for accessibility
- Maximum flexibility in the choice of cladding materials and finishes

Advanced Thermal Technology

Polyamide thermal breaks combined with high-quality sealing gaskets minimise heat transfer, delivering exceptional energy efficiency, year-round comfort and protection.



Flush door frame — D4001 · polyamide thermal break



Flush door sash — D4005



Performance at a glance



Up to 0.75

W/(m²K) — U_d value



160 kg

Max sash weight



100 mm

System depth



4.5 m²

Max sash area



1.3 × 3.0 m

Max sash dimensions



Polyamides

Thermal break

System Advantages

High Thermal Insulation: Maximum energy savings thanks to the system's superior thermal performance.

Excellent Soundproofing: Outstanding acoustic insulation from the system's specialised gaskets.

Architectural Flexibility: Multiple door typologies and cladding options to suit any modern design.

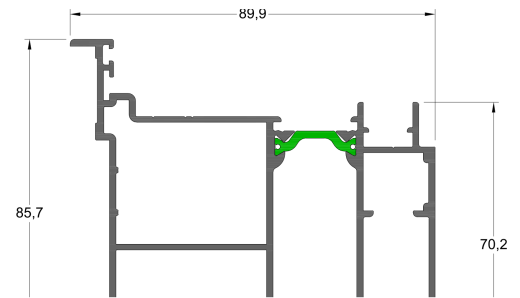
Premium Aesthetics: Flush surfaces, concealed hardware and clean, linear design.

High Durability: Engineered to support large doors up to 160 kg.

Smart & Accessible: Optional LED-lit handles, smart-lock compatibility and low-threshold configurations.

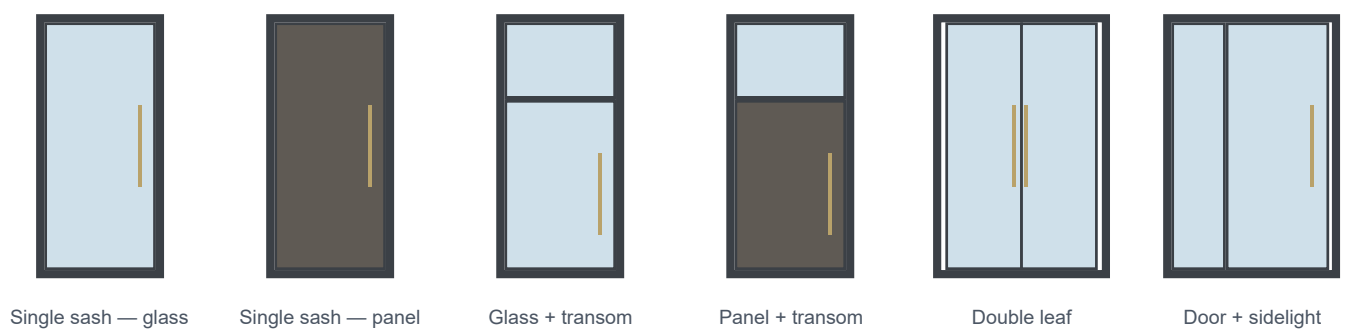
Eco-Friendly: Made from recyclable aluminium and thermal-insulating materials.

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Sash section — concealed hinge line & flush face

Typologies



Technical Specifications

Door Types	Single / Double leaf · fixed side/top panels · combinations
Max Sash Weight	160 kg
Max Sash Area	4.5 m²
Max Sash Dimensions	1.3 m (W) × 3.0 m (H)
System Depth	100 mm (with 6 mm cladding each side)
Cladding Thickness	Up to 6 mm per side
Thermal Break	Polyamides + triple-gasket sealing
Thermal Transmittance (U _d)	Up to 0.75 W/(m²K)
Cladding Options	Aluminium / Glass / Laminated / Synthetic / Ceramic / Timber
Handle Options	Concealed double handle with LED (L/R)
Locking	Standard / Automatic / Electric
Applications	Residential / Villas / Architectural entrances



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