



Sigma Series Inowa Patio Doors

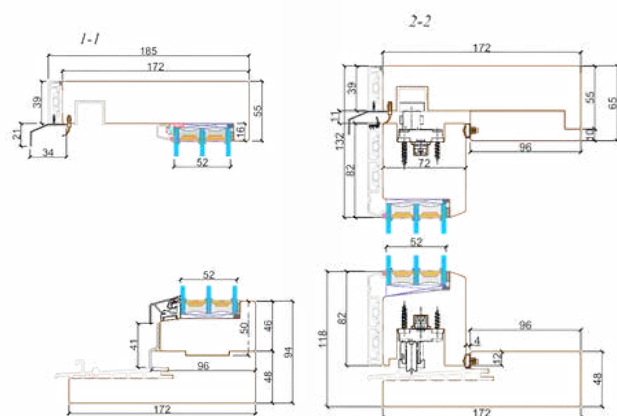
The Sigma Series Inowa Patio Doorset combines contemporary design with advanced sealing technology, making it ideal for demanding residential and commercial applications.

Manufactured from high-performance laminated timber with a slim modern profile, and available with optional aluminium cladding, it delivers strength, durability and refined aesthetics with a premium architectural finish.

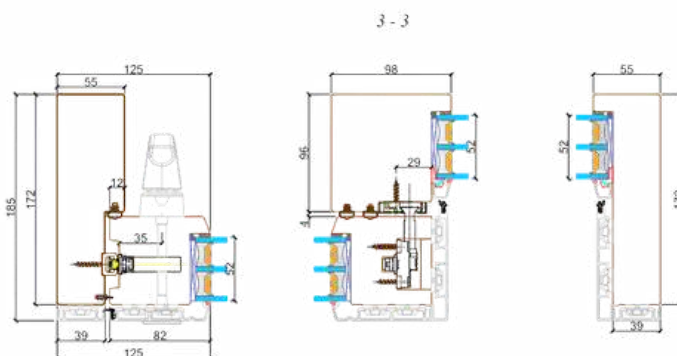
Engineered around the innovative Roto Patio Inowa system, the sash is drawn tightly into the frame during closing to create a continuous compression seal, delivering exceptional airtightness, weather resistance and acoustic performance. The Sigma configuration utilises an external track arrangement, further enhancing protection against driving rain and improving long-term weathertightness, while maintaining smooth, low-force operation for large glazed openings.



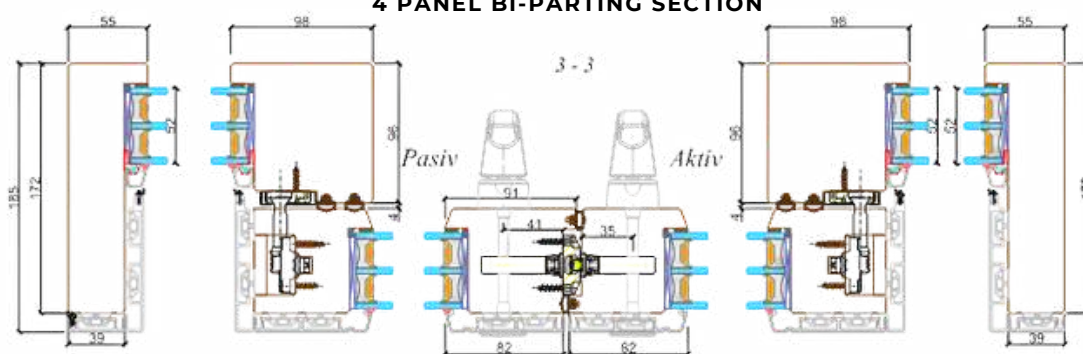
ALUMINIUM CLAD TIMBER- VERTICAL SECTION



ALUMINIUM CLAD TIMBER- HORIZONTAL SECTION



4 PANEL BI-PARTING SECTION



Environmentally Sustainable

Our timber is sourced from responsibly managed forests, ensuring a certified and sustainable supply chain. As a natural material, timber plays a vital role in reducing carbon impact by acting as a carbon sink, continuing to store CO₂ even after it has been harvested and manufactured into building products.

For every tree felled, multiple saplings are replanted, supporting biodiversity, improving air quality, and promoting long-term forest regeneration.

All timber components are fully engineered and profiled prior to receiving a factory-applied protective treatment, ensuring consistent coverage, enhanced durability, and long-term performance. Combined with the natural durability of laminated timber, this delivers a reliable and robust service life.

Glazing

A wide range of glazing solutions are available with U-values ranging from 1.2W/m²K to 0.8W/m²K. Whether specifying obscure, acoustic or solar control our Sigma series is designed to meet future performance requirements while exceeding current standards.

Key Features

- Advanced Roto Patio Inowa system with perimeter compression sealing
- Sash drawn tightly into frame for exceptional airtightness and weather performance
- External track configuration for enhanced protection against driving rain
- Smooth, low-force operation despite high sealing compression
- High-performance laminated timber construction for strength and stability
- Slim modern profile to maximise glazed area and natural light
- Factory finished timber or aluminium clad timber available
- Excellent acoustic performance due to continuous sealing system
- Multi-point locking for enhanced security and uniform gasket compression
- Suitable for large glazed openings with reliable everyday operation
- Designed for exposed and high-performance building applications
- Sidelights to accommodate sliding system

TECHNICAL SPECIFICATION

- ✓ BS644
- ✓ GLAZING IN ACCORDANCE WITH EN1279
- ✓ EN12207 AIR PERMEABILITY CLASS 4
- ✓ EN12211 RESISTANCE TO WIND C5
- ✓ EN1208 WATERTIGHTNESS TO E1500
- ✓ TIMBER PRESERVATIVE TREATED
- ✓ PEFC CERTIFICATION
- ✓ NORTHERN EUROPEAN REDWOOD (OTHER SPECIES AVAILABLE)
- ✓ U VALUES FROM 1.2W/M²K - 0.8W/M²K



DIMENSIONAL PROPERTIES

FRAME DEPTH: TIMBER = 172MM
ALUMINIUM CLAD = 185MM
MIN WIDTH: 1500MM SINGLE / 2850MM BI-PARTING
MAX WIDTH: 6500MM SINGLE / 13000MM BI-PARTING*
MIN HEIGHT: 1990MM
MAX HEIGHT: 2500MM (STANDARD) / 3600MM (BASED ON INOVA MAX)
MAX WEIGHT: 250KG (STANDARD) / 400KG (BASED ON INOWA MAX)

*Details shown above may be subject to change due to glazing specification. Contact Arbo team if width exceeds 4000mm for standard sliding and 6700mm for bi-parting sliding AND if height exceed 2400mm as special request would be required.