



Sigma Series Balcony Doors

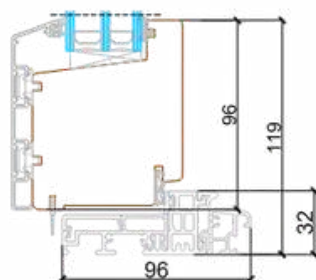
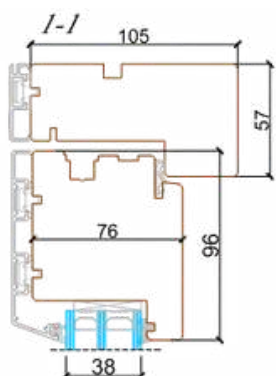
The Sigma Series Balcony Doorset combines contemporary styling with high performance, creating elegant access to balconies, terraces and external spaces for both residential and commercial applications.

Manufactured from high-performance laminated timber with a slim modern profile, it offers strength, stability and refined aesthetics. Optional external aluminium cladding provides a durable, low-maintenance finish, with precision-mitred corners for a seamless premium appearance. Engineered with a secure KfV multi-point locking system, Simonswerk Columbus 3D hinges and quality cylinder hardware, it delivers dependable everyday operation and enhanced security.

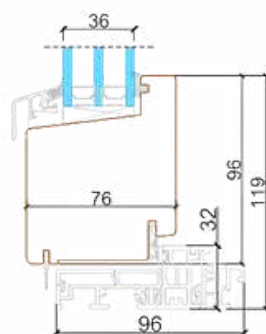
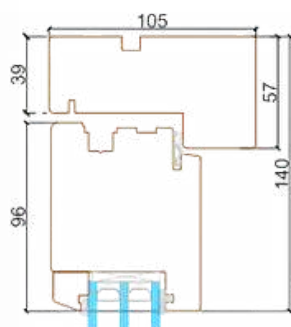
Available with high-performance double or triple glazing and tested to PAS 24:2022, the Sigma Series Balcony Doorset provides excellent thermal efficiency, weather performance and long-term reliability.



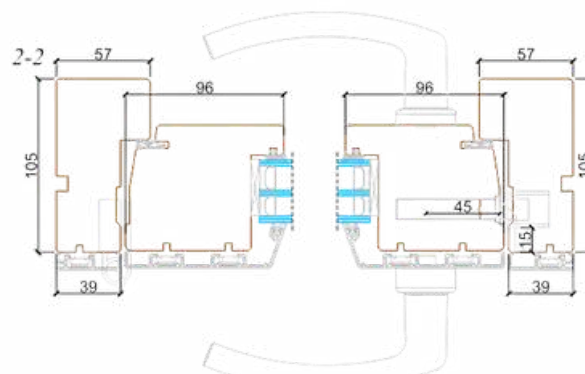
ALUMINIUM CLAD TIMBER- VERTICAL SECTION



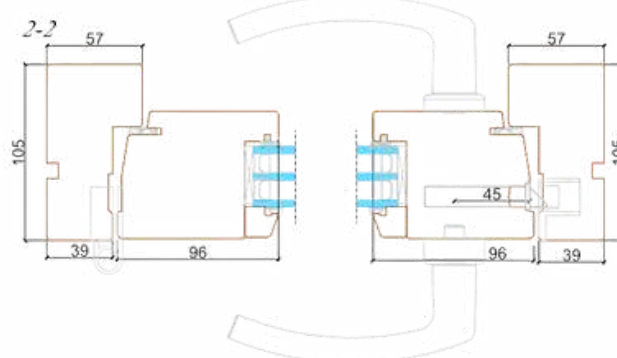
TIMBER- VERTICAL SECTION



ALUMINIUM CLAD TIMBER- HORIZONTAL SECTION



TIMBER- HORIZONTAL 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

- High-performance laminated timber construction for strength and stability
- Slim modern profile to maximise glazed area and natural light
- Optional aluminium clad exterior for enhanced durability and low maintenance
- Precision-mitred aluminium corners for a premium aesthetic finish
- Secure KFV multi-point locking system for enhanced security
- Simonswerk Columbus 3D adjustable hinges for precise alignment and smooth operation
- Option available with 115mm frame and 92mm door leaf to accommodate 54mm glazing, allowing for enhanced thermal performance, improved acoustic insulation and greater overall energy efficiency
- Available in single and double leaf configurations (outward or inward opening)
- Suitable for residential and commercial applications
- Designed for durability, thermal efficiency and long-term performance

TECHNICAL SPECIFICATION

- ✓ BS644
- ✓ GLAZING IN ACCORDANCE WITH EN1279
- ✓ PAS24: 2022 TESTED & CERTIFIED
- ✓ PART Q
- ✓ BS6375 TESTED & CERTIFIED
- ✓ SECURED BY DESIGN
- ✓ 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 = 105MM OR 115MM ALUMINIUM CLAD = 115MM OR 125MM
MIN WIDTH:	780MM SINGLE / 1400MM DOUBLE
MAX WIDTH:	1100MM SINGLE / 2100MM DOUBLE*
MIN HEIGHT:	1980MM
MAX HEIGHT:	2580MM*
MAX WEIGHT:	120KG (BASED ON DOORLEAF)

*Details shown above may be subject to change due to glazing specification. Contact Arbo team if large units are required to confirm overall width + height is achievable.