

Unmatched Fire-Resistant Sectional Doors

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme

PENSA | WINLOCK confirms that this minimum level of assurance has been met or exceeded by the following:

warrington fire

[BS 476: Part 22: 1987 - 436488](#)

The following information has been provided by PENSA | WINLOCK demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 2

Product Description

PENSA | WINLOCK | FRR Sectional Doors are high-quality fire-resistant sectional doors designed for use in commercial, industrial, and specialized applications where fire safety and durability are essential. These doors are engineered to provide reliable fire resistance, with certified ratings of up to E11 240 minutes, ensuring maximum protection in critical environments. Key Features and Construction The doors are made of steel panels composed of two 0.8 mm sheets, offering strength and durability. Each panel includes options for fire-resistant glazing, ensuring visibility where required without compromising safety. The panels are guided into a robust rail system using steel wheels for smooth operation. Options Available • Colours: Standard RAL colours include RAL 3000, RAL 9005, RAL 7016, and others, with custom colours available on request. • Sizes: Customizable dimensions to fit a wide range of openings, including oversized configurations. • Surface Finishes: Options include powder coating, wood veneer, laminate, or stainless-steel cladding. Accessories and Fixings The system is compatible with various control options, including the WIPO 2.0 automatic control system for autonomous operation. Accessories such as fire-resistant seals, acoustic rubber, and specialized fixings ensure complete functionality and ease of installation. Special Characteristics • Tested fire resistance on both sides without irrigation. • Optional features include sound insulation, explosion resistance, smoke-proofing, and liquid barriers. • Designed for seamless integration into high-density rigid walls for optimal performance. • Maintenance-friendly with long-term reliability. PENSA | WINLOCK | FRR Sectional Doors provide a versatile and customizable solution, combining fire protection with optional enhancements for acoustic performance, burglary resistance, and environmental sealing.

Scope of use

PENSA | WINLOCK | FRR Sectional Doors are fire-resistant closures suitable for commercial, industrial, and specialized environments, with certified fire resistance up to E11 240 minutes. They are ideal for warehouses, manufacturing facilities, commercial buildings, healthcare facilities, and other high-risk areas. Key Use Conditions: • Designed for installation in rigid, high-density walls (min. 150 mm thick, 2200 kg/m³ density). • Suitable for interior and exterior use, with fire exposure on both sides. • Customizable to fit openings of various sizes, including oversized configurations. Restrictions on Use: • Must be installed by qualified professionals to ensure certified performance. • Not recommended for continuous water exposure unless paired with optional liquid barriers. • Panel-to-frame and panel-to-floor gap tolerances must be maintained for integrity. Compliant with EN 16034 and EN 13501-2 standards, these doors provide versatile solutions for environments demanding robust fire safety and additional features like sound insulation and smoke-proofing.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.3(a), B1.3.3(b), B1.3.3(h)
Conformance to B1 is inferred through testing and design adherence to AS/NZS 1170 for self-weight, imposed loads, and wind pressures. The structural integrity of the doors, including their materials and installation methods, ensures they meet expected load demands throughout their lifespan.
- **Clause B2 Durability:** Performance B2.3.1(b)
Durability requirements under B2 are supported by materials tested for a lifespan of at least 15 years, as specified in EN 16034. Finishes like powder coating and stainless-steel cladding



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Company Contact Details

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enhance resistance to corrosion and environmental factors.

- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.7(a)
The product's fire resistance is validated through EN 16034, EN 13501-2, and BS 476: Part 22: 1987. These standards confirm the ability of the doors to limit fire spread and maintain integrity under high-temperature conditions, ensuring alignment with NZBC fire safety objectives.
- **Clause D1 Access routes:** Performance D1.3.1(b), D1.3.3(a), D1.3.3(n)
The doors meet access requirements under D1 by providing adequate clearances, safe entry mechanisms, and manual override features for automatic systems, ensuring usability during emergencies. The compliance aligns with general guidance in the NZBC Handbook.
- **Clause E2 External moisture:** Performance E2.3.2, E2.3.3
Sealing and weatherproofing solutions ensure the product prevents water ingress, meeting E2 requirements. Insulated door options provide additional protection in environments prone to moisture.
- **Clause H1 Energy efficiency :** Performance H1.3.1(a), H1.3.1(b), H1.3.6(a)
Energy efficiency is supported through the use of thermal insulation and systems to limit uncontrollable airflow. Compliance with H1 is further demonstrated by integrating features to minimize energy use while maintaining thermal performance.

Notes

For any queries and questions, please refer to PENSA - 0800 667721

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

PENSA | WINLOCK | FRR Sectional Doors are designed to infer conformance with NZBC clauses B1, B2, C3, D1, E2, and H1. Structural performance (B1) aligns with AS/NZS 1170, addressing self-weight, imposed loads, and wind pressures. Durability (B2) is supported by high-quality materials and finishes, ensuring long-term performance.

Fire safety (C3) is demonstrated through compliance with EN 16034 and EN 13501-2 standards and testing to BS 476: Part 22: 1987, ensuring effective fire resistance. Accessibility (D1) is supported by appropriate clearances, manual override features for automatic doors, and safe entry design.

Moisture resistance (E2) is inferred through sealing systems that prevent water ingress and damage. Thermal resistance, air control, and energy efficiency (H1) are achieved through insulated panels and features designed to reduce energy use. Testing and manufacturer specifications support alignment with NZBC clauses.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

 warrington fire
[BS 476: Part 22: 1987 - 436488](#)

Use in Service History

Chemfreight - Auckland

DHL - Auckland

Product Criteria

Design requirements

PENSA | WINLOCK | FRR Sectional Doors are intended for use in commercial, industrial, and specialized applications requiring fire resistance, durability, and energy efficiency. Suitable for both internal and external installations, they must be installed in compliance with NZBC acceptable solutions and according to manufacturer guidelines to ensure performance.

The doors are compatible with rigid, high-density walls (minimum 150 mm thick, 2200 kg/m³ density). Available in a range of RAL colors, finishes (powder-coated, wood veneer, or stainless steel), and sizes, they can include fire-resistant glazing, sound insulation, or explosion resistance for specialized needs.

Components include steel panels, WIPO 2.0 automatic controls, and fire seals. Accessories such as weatherproofing systems, acoustic rubbers, and manual overrides are required for compliance with NZBC clauses.

Installation requirements

PENSA | WINLOCK | FRR Sectional Doors must be installed by qualified PENSA technicians experienced in fire-resistant and industrial door systems.

A rigid, high-density substrate (minimum 150 mm thick, 2200 kg/m³ density) is required, with surfaces prepared to be level, clean, and structurally sound.

The frame is secured, panels aligned with the rail system, automation controls (e.g., WIPO 2.0) connected, and seals applied to ensure fire, air, and moisture resistance. Fixings and joints must follow

manufacturer instructions using specified tools and materials to maintain compliance.

Installation must occur under stable temperature and humidity conditions to avoid material expansion or misalignment. Final steps include testing operation, calibrating controls, and certifying compliance.

Maintenance requirements

PENSA provides preventative maintenance agreements to support conformance with NZBC Clause B2 (Durability) and ensure long-term performance. Each maintenance visit includes a comprehensive visual inspection to evaluate wear, functionality, and potential issues before undertaking any repairs or replacements.

Proactive maintenance tasks are conducted to optimize door functionality, maintain fire resistance integrity, and extend the product lifespan. Detailed records of all maintenance and repair activities are provided, ensuring documentation of compliance and the sustained reliable, secure performance of the doors over time.

Warrantees

PENSA provides a standard 1-year warranty from the date of installation for FRR Sectional Doors, covering defects in materials and workmanship under normal use. Warranty validity requires adherence to PENSA's maintenance guidelines, which include a Service and Preventative Maintenance Agreement. Failure to follow these guidelines may void the warranty. This warranty does not cover damage caused by misuse, accidents, or unauthorized modifications.

Company Product Information

Environmental

PENSA is committed to minimizing the environmental impact of our FRR Sectional Doors throughout their lifecycle. The doors are constructed from recyclable materials, including steel and aluminum, with durable finishes designed to reduce waste and extend product life. Installation and operation are optimized for energy efficiency, aligning with NZBC Clause H1 for thermal resistance and energy use. PENSA encourages sustainable practices through our Preventative Maintenance Agreement, which ensures long-term performance and reduces the need for premature replacement. Additionally, our production processes adhere to strict environmental standards, minimizing emissions and resource use.

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Winlock Systems bvba

Contact Number/s:

0800667721

Importer

Legal Trading Name:

Pensa Doors NZ Limited

Business Email:

info@pensadoors.com

Company Website:

www.pensadoors.com

Contact Number/s:

0800 667721

Product Identifier

WINLOCK © LIQUID LOCK OUT LOCK SAFE LOCK NOISE LOCK FOOD LOCK WIND LOCK
SMOKE LOCK FROST LOCK CRYO LOCK QUAKE LOCK ATEX AIR LOCK

Warnings

This product has no warnings associated with it.



Date last validated: **05 December 2024**



Date last updated: **05 December 2024**