EFAFLEX - EFA-SRT® - High-Speed Roll-up Doors

Product Technical Statement: 114081

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Fast, durable roll-up door for high-traffic industrial environments.
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Level of assurance needed to demonstrate NZ Building Code Compliance

LOW

Supporting documentation should include self-assessment and technical information by manufacturer

EFAFLEX - confirms that this minimum level of assurance has been met or exceeded by the following:
ift-Product Passport
Industrial doors and gates according to EN 13241 - 16-002370-PR01 (PP-D01-0203-en

BPIR **The following information has been provided by EFAFLEX - demonstrating how this product complies with the Building Product Information Requirements.**

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Technical Statement

Product Class

CLASS 2

Product Description

The EFA-SRT® High-Speed Roll-Up Door by EFAFLEX offers unmatched efficiency, durability, and safety, making it an ideal solution for high-traffic indoor environments.

Engineered for rapid operation, it helps streamline workflows, control temperatures, and lower energy costs. Built from resilient, tear-resistant materials, the EFA-SRT® withstands daily heavy use while delivering quiet, reliable performance.

Virtually maintenance-free, this door can be customized in various sizes, colors, and safety options, adapting seamlessly to any industrial setting. Integrated safety features protect both personnel and equipment, ensuring secure, efficient access for warehouses, logistics hubs, and production areas.

Designed for performance and built for endurance, the EFA-SRT® provides a high-quality, versatile solution tailored to the demands of busy industrial environments.

Scope of use

The EFA-SRT® High-Speed Roll-Up Doors by EFAFLEX are ideal for a wide range of industrial settings, with various models tailored for high-traffic, safety-critical, and energy-efficient environments. The SRT series provides solutions for warehouses, logistics centers, manufacturing facilities, and more.

- R Series: Models like Premium, ECO, Value, and FR offer fast, secure access. The ECO is energy-efficient, while Soft Touch and FR add impact-resistance and fire safety.
- CR Series: CR Premium and CR Efficient are optimized for cleanrooms, maintaining air quality and contamination control in pharmaceutical, biotech, and electronics settings.
- MS Series: MS Performance and MS USD suit heavy-duty areas needing strength and reliability, ideal for manufacturing and distribution operations with intense use.
- MTL Series: MTL and MHT Compact provide compact designs for multi-functional spaces, fitting well in automotive, retail, and mixed-use industrial facilities.
- EX Series: The EX model offers explosion protection for hazardous environments, ideal for petrochemical, chemical, and energy sectors.

Customizable in size, color, and features, the EFA-SRT® series offers reliable, adaptable solutions for diverse industry needs.

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)
    - EN 13241+A2
    - Designed as robust, industrial-grade doors, the Efaflex SRT models are built to retain structural integrity under demanding, high-usage conditions.
    - Engineered to accommodate operational loads and withstand environmental stresses, ensuring dependable performance.
    - Self-weight considerations are incorporated, minimising impact on building structures and supporting safe installation.

Company Contact Details

Brand:	EFAFLEX -
Company:	EFAFLEX NZ
Physical Address:	76 Coulter Road Henderson Auckland
Postal Address:	76 Coulter Road Henderson Auckland
Email:	Brian.Hill@efaflex.com
Website:	https://www.efaflex.com/products/high-speed-roll-up-doors/

- Designed to endure frequent usage, the doors meet the demands of high-traffic settings, maintaining stability throughout regular operations.
- Outdoor models are wind-resistant, developed to align with wind load standards for exposed applications, contributing to resilience in various environmental conditions.
- Wind Load: Rated up to class 3 for specific models

- **Clause B2 Durability:** Performance B2.3.1(b)
  - Durability is verified for over 1,010,000 cycles, meeting NZBC requirements for a 15-year lifespan under standard operational conditions.
  - Corrosion Resistance: Additional coatings and stainless-steel options, especially for wet areas, to meet durability expectations in challenging environments.

  Note: For specialised environments, such as cold chain storage, consultation with Efaflex is recommended to ensure optimal performance and suitability.

- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.7(a)
  - EN 13241+A2
  - In alignment with NZBC Clause C3, the doors are manufactured using materials with certified fire performance as specified in Table 4.3 of Acceptable Solution C/AS2.
  - Material Testing to DIN EN 20340 for Flame-Retardant Fabrics

- **Clause D1 Access routes:** Performance D1.3.1(b), D1.3.3(a), D1.3.3(n)
  - Designed to conform with AS/NZS 1428 for accessibility, the doors provide safe entry, ample activity space, and reliable automatic operation to support building accessibility requirements.
  - DIN EN 12604: Testing for safety during manual operation under power failure conditions (e.g., emergency opening via tension springs or pull cords).
  - EN 12453 Compliance for Safety: Equipped with safety contact edges or crash-resistant mechanisms, which ensures safe access and automated operation, especially for emergency situations

  Where specified, UPS backup systems can integrated to ensure continuous operation during power interruptions, aligning with D1.3.1(b), D1.3.3(a), and D1.3.3(n) requirements.

- **Clause E2 External moisture:** Performance E2.3.2, E2.3.3
  - Equipped with premium seals and moisture-resistant materials, Efaflex doors are designed to align with E2.3.2 and E2.3.3, offering protection from moisture intrusion.
  - The perimeter seals help prevent water and moisture penetration, safeguarding interior spaces and limiting air infiltration, particularly beneficial for controlled environments.
  - Watertightness ratings up to class 3
  - Constructed with materials that resist moisture absorption, the doors minimise deterioration from water exposure, reducing maintenance needs and prolonging durability in humid or wet conditions.

- **Clause G4 Ventilation:** Performance G4.3.2
  - Supporting G4.3.2, the doors aid in controlling airflow, promoting efficient ventilation through rapid open-and-close capabilities.
  - This functionality minimises air exchange times, helping maintain indoor air quality and reducing temperature loss, critical in controlled environments.
  - The doors can be integrated with mechanical air-handling systems, ensuring effective airflow management by synchronising operation with ventilation demands.

- **Clause H1 Energy efficiency :** Performance H1.3.1(a), H1.3.1(b), H1.3.6(a)
  - Models conform with H1.3.1(a), H1.3.1(b), and H1.3.6(a) by limiting uncontrolled airflow and enhancing thermal resistance, contributing to energy efficiency.
  - The rapid operation minimises the duration the doors remain open, reducing conditioned air loss and maintaining a consistent internal climate.
  - These energy-saving designs support building performance by optimising heating and cooling efficiency, contributing to reduced operational costs over time.

Evidence

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

The Efaflex SRT models meet New Zealand Building Code requirements by conforming to key structural, durability, fire protection, and energy efficiency standards. Structural integrity is supported by conformance with AS/NZS 1170 for load actions, including self-weight, imposed loads, and wind resistance. Durability requirements (15-year lifespan) are achieved through high-quality materials and manufacturing practices per B2. Fire safety is assured by utilizing materials that meet AS 1530.4 for fire-resistant properties. For access and activity space, automatic door functionality and safety align with EN 16005. Water ingress prevention follows AS/NZS 4284 standards, supporting E2 compliance. Ventilation requirements are met through design adaptations for airflow control, in line with G4. Energy efficiency is assured by thermal resistance testing in compliance with AS/NZS 4859, limiting heat transfer and conserving energy as per H1.

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Supporting Evidence

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

ift-Product Passport
Industrial doors and gates according to EN 13241 - 16-002370-PR01 (PP-D01-0203-en

Use in Service History

Refer to: EFAFLEX References Page EFAFLEX isn't just a globally recognised brand in the area of high-speed doors. Leading national and international companies from all industries rely on our products. Here you will find a selection of implemented projects.

NZ Clients Include.

- NZ Blood
- NZ Post
- DHL

Product Criteria

Design requirements

Efaflex SRT high-speed roll-up doors are designed for rapid access in high-traffic industrial and commercial spaces requiring efficient workflow, environmental control and minimal contamination. Ideal applications include logistics centers, manufacturing plants, clean rooms, and facilities with climate-sensitive areas like food processing or pharmaceuticals. These doors integrate with structural frames, floors, and automation systems, enhancing both workflow and environmental separation. Certain models are suited for exterior applications, but model selection should consider environmental factors such as exposure to wind, temperature fluctuations, and moisture levels.

Installation requirements

Efaflex SRT doors should be installed by qualified technicians experienced in high-speed industrial doors. Installation involves securely mounting the frame, connecting and testing electrical components, and calibrating sensors. Adherence to manufacturer instructions, correct tool usage, and precise alignment are essential to prevent operational issues. Installation should take place in stable temperature and humidity conditions to avoid misalignment or material expansion. Ensuring proper calibration of sensors and components minimizes performance issues and maintains safety in temperature-sensitive applications.

Maintenance requirements

Preventative maintenance is suggested in accordance with Efaflex's maintenance schedules to ensure durability and optimal performance. Recommended tasks include regular visual inspections, cleaning, and checks on wear-sensitive parts like seals and sensors. Adjustments to door tension and recalibration of automation features help prevent issues in high-use environments. Key components, such as springs, electrical connections, and safety edges, should be inspected periodically, with replacements as necessary to maintain longevity and functionality. Efaflex can recommend a qualified contractor to perform these tasks and keep detailed records to support NZBC Clause B2 compliance and ensure reliable door operation.

Warrantees

Efaflex offers a warranty covering manufacturing defects in materials and workmanship under normal use conditions. This warranty applies from the date of installation and requires adherence to Efaflex's recommended maintenance schedule to remain valid. Any modifications, unauthorized repairs, or improper use will void the warranty. Efaflex recommends using certified technicians for maintenance and repairs to ensure continued compliance and performance. The warranty does not cover damages resulting from environmental factors, accidental impact, or improper installation. For extended warranty support, Efaflex can suggest qualified contractors to provide ongoing maintenance and inspections

See: Limited Warrantee

Company Product Information

Environmental

At EFAFLEX, sustainability is integral to our family-owned business. We prioritize responsible resource use, producing durable, energy-efficient products that contribute to our customers' sustainability goals. Our commitment extends to employee development and long-term engagement, reflecting our role as a responsible employer globally. Our smart product solutions, like the EFA-EnergySaver, enable clients to assess potential energy, CO_2, and cost savings when using our high-speed doors compared to conventional industrial sectional doors.

See: EFAFLEX Sustainability

Relationships

Energy Efficiency – made in Germany .0

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EcoVadis silver rating

BREEAM .0

Videos

EFAFLEX - SRT® CR (Clean Room)
EFAFLEX - EFA-SRT®
EFAFLEX - SRT® SoftTouch

Building Product Information Requirements

Manufacturer

Legal Trading Name:
EFAFLEX Tor- und Sicherheitssysteme GmbH & Co. KG

Company Website:
https://www.efaflex.com

Contact Number/s:
08003323539

Importer

Legal Trading Name:
EFAFLEX NZ

Business Email:
Brian.Hill@efaflex.com

Company Website:
www.efaflex.com/

Contact Number/s:
0800 3323539

Product Identifier

EFA-SRT®

Warnings

This product has no warnings associated with it.

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Date last updated: **28 November 2024**