

# BUILDING PRODUCT INFORMATION REPORT: CLASS 1



## PRODUCT NAME: STEEL INSERT INTERIOR DOOR LEAF

Version: V1

Date: 8.12.2023

## PRODUCT LINE: INTERIOR DOOR LEAF

### PRODUCT IDENTIFIER:

This Building Product Information Report (BPIR) relates to Superior Doors' range of **standard Steel Insert Interior doors** (<http://www.superiordoors.co.nz/flush-panel-interior-door.html>), and associated derivatives, including:

- **Steel Insert Doors** (<http://www.superiordoors.co.nz/steel-insert-doors.html>)
- **Flush Panel Doors** (<http://www.superiordoors.co.nz/flush-panel-interior-door.html>)
- **Grooved Doors** ([https://www.superiordoors.co.nz/grooved\\_panel.html](https://www.superiordoors.co.nz/grooved_panel.html))
- **Standard Oversize** (<http://www.superiordoors.co.nz/standard-oversize.html>)
- **Vision Panel Doors** (<http://www.superiordoors.co.nz/vision-panel-interior-doors.html>)

### PRODUCT DESCRIPTION & INTENDED USE:

- **Components:** Superior Doors Steel Reinforced Doors, and associated derivatives, are manufactured using pre-sealed MDF skins, pine frames of varying dimensions, and either:
  - Solid EPS High-Density Poly Cores (<https://www.superiordoors.co.nz/eps-solid-core.html>);
  - Solid MR Particle Board Cores (<https://www.superiordoors.co.nz/mr-solid-particle-board.html>). Steel reinforcement of 1-2 units of galvanised box section steel.
- **Moisture-Sealed:** This range has a UV cured, moisture resistant sealant to the two faces of the door leaf.
- **Interior use only:** This range of doors are intended for *interior use only*.
- **Derivatives:** Superior Doors' range of Steel Reinforced doors may:
  - be used for hung or slider applications for the sizes specified in the applicable tables, in the relevant section below. For sizes outside of this range refer to [Custom Steel Reinforced Interior Door Leaf BPIR](#).
  - be grooved according to the [Superior Doors Brochure](#), and
  - where a MR Particle Board core is used, be supplied with vision panels, according to the [Superior Doors Brochure](#). The standard beading for vision panels, where applicable, is pine
- **Sizes:** This range of doors are available up to 2,400mm high, 1200mm wide, and either 38mm, 39.5mm, 42mm or 48mm thick.
- **Hinged applications:** Superior Doors' Steel Reinforced doors, and associated derivatives, may be used for hung (hinged) applications for the below sizes:

#### Standard Sizes

Height (mm)	Width (mm)
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<b>1980</b>	410, 460, 510, 560, 610, 660, 710, 760, 810, 860, 910
<b>2200</b>	410, 460, 510, 560, 610, 660, 710, 760, 810, 860, 910
<b>2400</b>	410, 460, 510, 560, 610, 660, 710, 760, 810, 860, 910

### Hung (hinged) Doors

Height (mm)	Steel x 1	Steel x 2
<b>1980 and under</b>	1000-1200	
<b>1981-2200</b>	1000-1200	
<b>2201-2400</b>	1000-1200	

- **Surface & Wardrobe Slider Steel Applications:** Superior Doors' Steel Reinforced doors, and their associated derivatives, may be used for surface and wardrobe slider applications for the below sizes:

### Surface Sliders

Height (mm)	Steel x 1	Steel x 2
<b>1980 and under</b>	1000-1200	
<b>1981-2200</b>	1000-1200	
<b>2201-2400</b>	860-999	1000-1200

### Cavity Sliders

	Steel x 1	Steel x 2
<b>1980 and under</b>	410-910	911-1200
<b>1981-2200</b>	410-810	811-1200
<b>2201-2400</b>	410-710	711-1200

- **Over-sized applications:** For sizes outside of the ranges specified above, Superior Doors Steel Reinforced doors, and associated derivatives, may be used in accordance with the requirements for Custom Steel Reinforced Interior Door Leaves [https://superiordoors.co.nz/downloads/Custom\\_Steel\\_Insert\\_BPIR.html](https://superiordoors.co.nz/downloads/Custom_Steel_Insert_BPIR.html) and <http://www.superiordoors.co.nz/steel-insert-doors.html>).

## RELEVANT BUILDING CODE CLAUSES:

- B1 Structure – B1.3.1, B1.3.2, B1.3.4
- B2 Durability — B2.3.1 (b, c)
- D1 Access Routes, Performance – D1.1.3
- F2 Hazardous building materials — F2.3.1
- H1 Energy efficiency — H1.3.1 (a, b), H1.3.2E

## CONTRIBUTIONS TO COMPLIANCE

- B1(B1.3.1, B1.3.2, B1.3.4): Superior Doors Steel Reinforced doors, and associated derivatives, meet self-weight requirements, as well as requirements from imposed loads and impact. Please refer to the [BRANZ appraisal No. 787](#) for more information.
- B2(B2.3.1): This range comes with a 10-year warranty if properly installed in accordance with Superior Doors' [Care and Handling Guide](#). These doors will meet the B2 guidelines throughout this period. To learn about maintenance and care guidelines, refer to Superior Doors' [Care and Handling Guide](#). Please refer to the [BRANZ appraisal No. 787](#) for more information.
- D1(D1.1.3): When installing Superior Doors products, it is important to consider ease of identification and operation. Door leaves should also be ordered in a size that allows for comfortable passage. Please refer to the [BRANZ appraisal No. 787](#) for more information. Additionally, installation should consider opening tolerances in accordance with D1.
- F2(F2.3.1): Superior Doors' products contain no harmful toxins and are made from chemically inert materials. Please note that Superior Doors does not supply glass. Please refer to the [BRANZ appraisal No. 787](#) for more information.
- H1 (H1.3.1): This range of doors has been subjected to rigorous independent R-Value testing, to ISO 10077 standards, NZS 4214 standards, and NZS 4859 standards, to guarantee full compliance with H1 standards. Please refer to the [Superior Doors H1 Guide](#), for specific R-Values, or contact Superior Doors' friendly team at [enquire@superiordoors.co.nz](mailto:enquire@superiordoors.co.nz).

## SCOPE OF USE

- Superior Doors Steel Reinforced Doors, and associated derivatives, are intended for interior use only, in a hung, sliding or cavity slider applications.
- This range of doors cannot be used to provide natural light in areas where natural light is required.
- This range of doors are not suitable to provide ventilation to the building's interior.
- This range of doors are suitable for use in residential buildings, as a component of the thermal envelope in all climate zones of New Zealand, from a conditioned to unconditioned interior space, where temperature and/or humidity may be modified, when they have a Solid EPS (Expanded Polystyrene) Core.
- This range of doors are not suitable for thermal envelope applications where a solid MR particleboard core is used in the construction of the door.
- This range of doors is suitable in commercial buildings for internal use, where there are no fire rating requirements or similar restrictions.
- Care and Maintenance requirements can be found in Superior Doors' [Care and Handling Guide](#)
- This range of doors are not fire-rated and cannot be used where Fire Ratings are required unless stated in C/AS1 and C/AS2.
- For non-standard doors, see <http://www.superiordoors.co.nz/custom-size-doors.html> for specialty sizes.
- This document excludes custom-sized steel insert doors, for custom-sized steel insert doors see, [https://www.superiordoors.co.nz/custom\\_steel\\_insert\\_doors\\_BPIR.html](https://www.superiordoors.co.nz/custom_steel_insert_doors_BPIR.html) for more information.

## CONDITIONS OF USE:

Detailed conditions of use can be found in the Superior Doors [Care and Handling Guide](#) on the Superior Doors website.

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### STORAGE:

Doors must be stored on a flat dry surface that is elevated from the ground. Doors must have a cover sheet on top while in storage to prevent direct sunlight from affecting the timber.

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### PAINTING & PRIMING:

It is critical that the paint manufacturers application specifications (including dilution rates and film weight) and environmental conditions (including minimum temperature, maximum humidity/ambient moisture and ventilation) are adhered to.

Before priming the door leaf, it is very important to sand the sealer with 320- 400 grit paper.

All doors must be thoroughly sealed with at least 2 coats of an appropriate sealer or primer, on all 4 edges and 2 faces within seven days of arriving to site. Exposed areas of the door increase the opportunity for moisture to enter the wooden components of the door. Although pre-sealed doors have both faces sealed it is critical that all four edges are also sealed.

A complete paint system designed for timber, timber-based products and MDF must be used, including pre sanding of the doors in preparation, at least 2 coats of undercoat/ primer (to all 4 edges and both faces) and 2 top coats. It is not adequate to paint top coats directly onto the Superior Doors sealer. Semi-gloss or satin finishes are recommended for all doors.

Doors must not be painted in dark colours. All doors must be painted in colours with a Light Reflectance Value (LRV) of greater than 50%. Failure to do so could result in heat distortion and warping.

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### ALTERATIONS:

Any cutting down of the doors that removes more than 3mm from any edge, or cutting any vision panels into a door, will render the warranty void. We do not recommend altering the size of the door from the manufactured dimensions.

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### ENVIRONMENT & STORAGE:

Interior doors should not be subjected to direct sunlight, environments with excessive humidity or moisture, or any wet areas.

Doors leaves need to be stored flat and covered.

All doors need to be stored or hung in dry buildings, away from any freshly plastered or concreted surfaces.

Superior Doors Ltd will not accept responsibility when the moisture content of the timber falls below 8% or exceeds 15%.

## SUPPORTING DOCUMENTATION

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### CONTACT DETAILS:

MANUFACTURE LOCATION

New Zealand

LEGAL AND TRADING NAME OF MANUFACTURER	Superior Doors
MANUFACTURER ADDRESS FOR SERVICE	70 Hunua Road, Papakura, Auckland 2110, New Zealand
MANUFACTURER WEBSITE	<a href="http://www.superiordoors.co.nz">www.superiordoors.co.nz</a>
MANUFACTURER EMAIL	<a href="mailto:enquire@superiordoors.co.nz">enquire@superiordoors.co.nz</a>
MANUFACTURER PHONE NUMBER	<a href="tel:092985028">09 298 5028</a>
MANUFACTURER NZBN	9429039124692

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**WARNINGS AND BANS:**

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?

No

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**RESPONSIBLE PERSON:**

According to regulation 8, I, the responsible person, confirm that the information in this document is to the extent of my knowledge is correct, and based on documentation provided to the company by reputable sources.

Signed for on behalf of Superior Doors Ltd.



Aaron Davidson  
General Manager

December 2023

## APPENDIX

All relevant building code performance clauses listed in this document:

### B2 DURABILITY

#### B2.3.1

Building elements must, with only normal maintenance, continue to satisfy the performance requirements of this code for the lesser of the specified intended life of the building, if stated, or:

(b) 15 years if:

those building elements (including the building envelope, exposed plumbing in the subfloor space, and in-built chimneys and flues) are moderately difficult to access or replace, or

failure of those building elements to comply with the building code would go undetected during normal use of the building, but would be easily detected during normal maintenance.

(c) 5 years if:

the building elements (including services, linings, renewable protective coatings, and fixtures) are easy to access and replace, and

failure of those building elements to comply with the building code would be easily detected during normal use of the building.

### D1 ACCESS ROUTES & PERFORMANCE

#### D1.1

The objective of this provision is:

(a) safeguard people from injury during movement into, within and out of BUILDINGS,

(b) safeguard people from injury resulting from the movement of vehicles into, within and out of BUILDINGS, and

(c) ensure that PEOPLE WITH DISABILITIES are able to enter and carry out normal activities and functions within BUILDINGS.

#### D1.3.1

ACCESS ROUTES shall enable people to:

(a) Safely and easily approach the main entrance of BUILDINGS from the apron or CONSTRUCTION edge of a BUILDING,

(b) Enter BUILDINGS

(c) move into spaces within BUILDINGS by such means as corridors, doors, stairs, ramps, and lifts,

(d) manoeuvre and park cars, and

(e) manoeuvre and park delivery vehicles required to use the loading space.

### F2 HAZARDOUS BUILDING MATERIALS

### F2.3.1

The quantities of gas, liquid, radiation, or solid particles emitted by materials used in the construction of buildings, shall not give rise to harmful concentrations at the surface of the material where the material is exposed, or in the atmosphere of any space.

## H1 ENERGY EFFICIENCY

### H1.3.1

The building envelope enclosing spaces where the temperature or humidity (or both) are modified must be constructed to

- (a) provide adequate thermal resistance.
- (b) limit uncontrollable airflow.

### H1.3.2E

Buildings must be constructed to ensure that their building performance index does not exceed 1.55.