

Class 2

Building Product Information Sheet

Product name:

K2 Doors

Other product names:

K2 Sliding Doors

Product line:

K2 Sliding Doors

Product identifier: K2 Slider**Product description and its intended use:**

K2 Sliding Door Systems are manual and automatic hygienic sliding door systems available in standard and hermetic configurations. The doors are manufactured for use in hygienic, healthcare, laboratory, pharmaceutical, food processing, dairy, cleanroom, and industrial environments where durability, hygiene, ease of cleaning, and operational reliability are required.

Door leaves can be manufactured using a range of materials and finishes including:

- HPL / Formica
- GRP (Glass Reinforced Polyester)
- Stainless Steel Grade 304
- Stainless Steel Grade 316
- Stainless Steel Grade 316L
- K2 Panel
- Steel Clad
- Aluminium Clad
- Paint Grade finishes

Door sets are available in manual or automatic operation and can include optional features such as:

- Hermetic sealing systems
- Vision panels
- Air transfer grilles
- Access control integration
- Safety sensors
- Soft close systems

K2 Sliding Door Systems are designed for interior use and may also be used in protected exterior applications where appropriate weather protection and flashing systems are provided by others.

Place of manufacture:

Aotearoa New Zealand Overseas

Legal name of the manufacturer(s):

J E DENNISON LTD

Trading name of the manufacturer(s):

J E DENNISON LTD

New Zealand Business Number (NZBN):

9429031912242

Address for service:

Street Name: 5 Redruth St

Suburb: Redruth

City, Country: Timaru / New Zealand

Postcode: 7910

Website: k2doors.co.nz

Email address: k2doors@jedennison.co.nz

Phone No: 03 6880029

Relevant Building Code clauses:

B2 Durability: Performance clause B2.3.1(b)

C3 Fire affecting areas beyond the fire source: C3.1, C3.3, C3.6, C3.7, C3.9

C4 Movement to a place of safety: Performance clauses C4.3, C4.4, C4.5

C5 Access and safety for fire fighting operations: C5.6 & C5.8

D1 Access Routes: Performance clause D1.3.1(b) & (c), D1.3.4(f)

F2 Hazardous Building Materials: Performance clauses F2.3.1, F2.3.2, F2.3.3

Statement on how the building product is expected to contribute to compliance:

B2.3.1(b):

K2 Sliding Door Systems are manufactured using durable materials including stainless steel, GRP, HPL, aluminium, steel, and composite panel systems designed to achieve a serviceable life of not less than 15 years when installed and maintained in accordance with K2 Doors installation and maintenance requirements. Automatic operating systems and hardware components are designed for commercial duty applications and are subject to regular maintenance requirements.

3.1, C3.6, C3.7, C3.9:

K2 Sliding Door Systems may be used on access and escape routes where specified by the building design. Automatic sliding doors can be configured with emergency opening functions, fail safe systems, break-out functionality, battery backup systems, and safety sensors where required by the project specific fire and egress strategy

C4.3, C4.4, C4.5:

The K2 GRP Fire door range can be used within an escape route where relevant considerations are specified in the project requirements.

D1.3.1(b) & (c), D1.3.4(f):

K2 Sliding Door Systems may be used on accessible routes where clear opening widths, operating forces, thresholds, hardware, automation systems, and safety devices are designed in accordance with project requirements and applicable accessibility standards. Automatic door systems can be integrated with access control and touchless activation systems to improve accessibility and hygiene outcomes

F2.3.1, F2.3.2, F2.3.3:

K2 Sliding Door Systems are manufactured from materials considered safe and suitable for use within occupied buildings. Where glazing is incorporated, safety glazing complying with NZS 4223.3 may be used where required. Materials used within the door systems are selected to minimise risk to occupants under normal use conditions.

Relevant standards:

- NZS 4121:2001 “Design for Access and Mobility”
- NZS 4223.3:2016 “Human Impact Safety Requirements”
- NZS 4239:1993 “ Performance and Control Systems For Automatic Doors”

Limitations on the use of the building product:

K2 Sliding Door Systems are intended primarily for interior applications and protected exterior environments.

Where installed externally, adequate overhead protection, flashing systems, drainage design, and weather protection must be provided by others. No statement is made regarding compliance with NZBC E2 External Moisture unless specifically tested and documented.

Hermetic door performance is dependent on:

- Correct installation
- Floor flatness and tolerances
- Wall construction tolerances
- Ongoing maintenance of seals and hardware
- Correct commissioning of automatic operating systems

Automatic door systems must be installed, commissioned, and maintained in accordance with the automation manufacturer's requirements and K2 Doors installation documentation.

K2 Sliding Door Systems do not provide a fire resistance rating unless specifically manufactured, tested, and identified as fire rated door systems.

Material selection must be appropriate for the intended environment:

- Grade 304 stainless steel is generally suitable for interior dry environments.
- Grade 316 or 316L stainless steel is recommended for corrosive, coastal, washdown, or high hygiene environments.
- Paint grade finishes are not recommended for high moisture or aggressive washdown environments unless specifically detailed.
- HPL/Formica finishes are intended primarily for interior hygienic applications.

Project specific structural support, framing, lintel design, seismic requirements, and wall construction interfaces are the responsibility of the building designer.

Design requirements that would support the use of the building product:

Door size limitations, leaf weights, automation configurations, hardware selections, glazing options, and material selections shall be in accordance with K2 Doors project specific shop drawings, product literature, and installation requirements.

Automatic door systems shall be selected to suit the intended duty cycle, opening frequency, user requirements, and integration with building services including:

- Access control
- Fire alarm systems
- Security systems
- Building management systems
- Cleanroom pressure requirements

Hermetic door systems require suitable surrounding wall construction, floor tolerances, and clearances to achieve intended sealing performance.

Installation requirements (also provide link to the product installation guide):

K2 SLIDING INSTALLATION

K2 Sliding Door Systems shall be installed by suitably qualified installers in accordance with K2 Doors installation details, consent documentation, approved shop drawings, and automation supplier requirements.

Prior to installation:

- Verify door location and handing
- Confirm wall construction and support framing are suitable
- Check floor levels and opening dimensions
- Ensure products are free from damage or defects

During installation:

- Install frames plumb, level, and square
- Maintain specified clearances and tolerances
- Ensure tracks and guides are correctly aligned
- Ensure sealing systems operate correctly
- Ensure all safety devices and sensors are functioning correctly
- Commission automatic operating systems in accordance with supplier requirements

Following installation:

- Verify smooth operation
- Confirm correct sealing performance
- Check safety sensor operation
- Confirm access control integration where applicable

Installation details available at:

<https://k2doors.co.nz/>

Maintenance requirements (also provide link to the product maintenance guide):

All door systems, hardware, automation equipment, seals, and safety systems shall be inspected and maintained in accordance with the building owner's maintenance schedule and K2 Doors recommendations.

Weekly

- Visually inspect door operation
 - Check for damage to door leaves, frames, seals, and hardware
 - Ensure door tracks are clean and unobstructed
 - Confirm automatic doors open and close correctly
 - Verify safety sensors and activation devices are operating correctly
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Every 6 Months

- Inspect door seals for wear, damage, or deterioration
 - Clean seals using mild detergent and water
 - Inspect tracks and guides for wear or contamination
 - Check fasteners and fixings
 - Inspect glazing and vision panels where applicable
 - Service automatic door operators in accordance with manufacturer requirements
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Every 12 Months

- Check motors, belts, rollers, guides, and control systems
- Inspect safety systems and backup systems
- Verify hermetic sealing performance where applicable
- Inspect hinges, handles, locks, and latching systems
- Tighten all fixings and hardware components as required

Stainless steel surfaces should be cleaned regularly using appropriate non-corrosive cleaning products suitable for stainless steel finishes.

Maintenance requirements may increase in coastal, corrosive, high humidity, or aggressive washdown environments.

Is the building product/building product line subject to warning or ban under section 26?:

Yes No

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