30/10/2026

Data Sheet

Pacific SPS1-E Exterior Security Fire Door Set

Description

The Pacific SPS1-E door set is a detention or commercial security door, resistant to physical attack using hand tools, levers, and battering rams from either face. The SPS1-E includes features designed to increase impact resistance and durability in high-use situations. The door leaf is a reinforced solid core panel, fully encapsulated in steel sheet with seam-welded edges, hung in a steel frame.

Product features:

- 90min fire rating
- Single leaf
- 2 frame options
- Security tested
- Ventilation grilles available for non-fire-rated only
- Optional food hatch available
- Suitable for both interior and exterior use
- Compatible with timber stud and masonry wall
- Meets NZS4520.2010 standard

Typical applications:

- Institutional Detention door set
- Prison Wing Door

For further information on this product, visit:

https://www.pacificdoors.co.nz/products/security/custodial-doors/sps1-e

Product options

Leaf size and wall type

Leaf size

The door set is suitable for both interior and exterior use.

The thickness of the SPS1-E door leaf is 50mm, with an approximate leaf weight of 80kg/m2.

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Wall Type	Fire Resistance Rating (FFR)	Door Application	Max Leaf Height (mm)	Max Leaf Width (mm)
Timber Stud *3 Masonry	-/90/60 (sm)	Single	2350	1150

Notes:

1. Please note that the maximum leaf width shown above is measured per door leaf.
2. The ‘sm’ above denotes that the door is available as a smoke control door set.
3. An SPS1-E installed into a Timber Stud wall will not be fire rated.

FRR Door Set
The SPS1-E fire rated door set can only be installed fully grouted into a concrete/masonry wall opening.

Non FRR Door Set

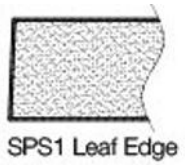
Timber stud walls
A timber stud subframe can be factory fitted to the main frame for connection to a timber stud security wall.

Masonry walls
Frames may be installed during or after the construction of masonry walls. Several proven connection systems are available.

Door Leaf Options

Leaf Facings
The SPS1-E is fully encapsulated in steel sheet.

Leaf Edges
The SPS1-E has seam welded edges as shown below:


SPS1 Leaf Edge

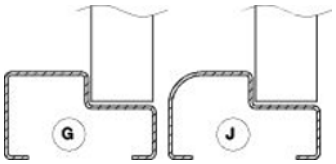
Meeting Stile
This door set is not available as a pair.

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Frame Types and Profiles

Timber Frame
This door set is only available in a steel frame.

Steel Frame
The steel frame profiles listed below are available for the SPS1-E door set:



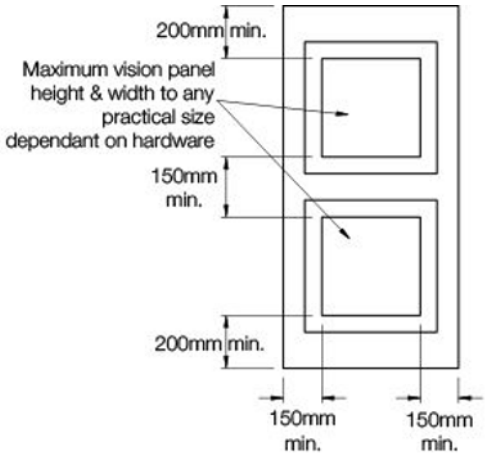
Standard frames are three-sided only, with no sill. Four-sided frames and/or custom sills may be available on request. Timber sills are not available on fire doorsets. For more in-depth information on frame profiles and sizes, please see our Installation Instructions.

Vision Panel

Glazing Type	Maximum Glazed Area		Max Height (mm)	Max Width (mm)	Glazing Bead	FFR with Vision Panel	
	Per VP	**Total**			**Steel Bead**	**Up to 0.065m2**	**Over 0.065m2**
Firelam	0.091m2	0.182m2	700	700	√	-/90/60	-/90/-

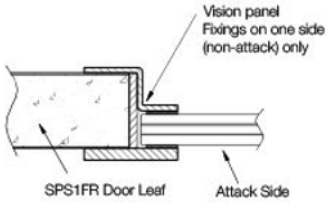
Notes:

1. Please note that the height and width of the vision panel must still fall within the maximum glazed area.
2. This glazing is fire glazing, not security glazing. For apertures more than 200 mm wide we recommend steel bars for security.
3. Mass of door leaf not to exceed 36kg/hinge.



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Standard Vision Panel Cross Sections
Steel Bead



Performance

Security Testing
The SPS1-E door set was subjected to 30 impacts from an SPS1 door leaf (weighing 110kg) at 4.8m/s, in the direction of opening of the door. This was intended to simulate using another door leaf as a battering ram. The door remained in its frame and locked at the end of the test, with paneling damaged but not broken.

Thermal Insulation
This door leaf has a thermal insulation rating (R-value) of 0.616km2/W.

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