30/10/2026

Data Sheet

Pacific SPS1-FR Custodial Fire Door

Description

The Pacific SPS1-FR door set offers fire protection up to 60 minutes and is a detention or commercial security door fully encapsulated in steel, resistant to physical attack using hand tools, levers and heavy impacts from either face. The SPS1 includes features designed to increase impact resistance and durability in high-use situations. The SPS1 is suitable for interior and sheltered exterior use.

Product features:

- 60min fire rating
- Single or pair
- Steel leaf face
- 2 frame options
- 3 glass options
- Compatible with timber stud, masonry wall
- Meets NZS4520.2010 standard
- Ballistic tested to AS/NZS 2343:1997 standard

Typical applications:

- Prison Fire Door
- Police Station Cell Door
- Commercial Security Fire door
- Stairwell door in multi-level buildings

For further information on this product, visit:

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

Product options

Leaf size and wall type

Leaf size

The Pacific SPS1-FR door set is a detention or commercial security fire door, resistant to physical attack using hand tools, levers and heavy impacts from either face. The door leaf is a solid core panel, fully encapsulated in steel sheet with seam-welded edges, hung in a steel frame.

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Most common applications include:

- Prison Fire Door
- Police Station Cell Door
- Commercial Security Fire door
- Stairwell door in multi-level buildings

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

	Rating	Standard	Description
Bullet Resistance	G1	AS/NZ 2343	.357 Magnum
	S0	AS/NZ 2343	Shotgun 12-gauge SG shot
Fire Resistance	FFR -/60/60 (sm)	As1530.4	

The thickness of the SPS1-FR door leaf is 50mm with an approximate leaf weight of 59kg/m2.

Wall Type	Fire Resistance Rating (FFR)	Door Application	Max Leaf Height (mm)	Max Leaf Width (mm)
Timber Stud Masonry	-/60/60	Single	2350	1150
		Pair	2150	1000

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. Minimum width for a fire door leaf is governed by the need to fit a compliant closer. Typically, 400 mm is the practical minimum.

Wall type

The SPS1 fire rated door set can be installed into concrete and masonry walls, timber stud walls, or walls including RHS steel posts.

The tested timber stud wall is a Gib® GBT 60a wall and optionally may include a 2mm steel sheet lining for additional security.

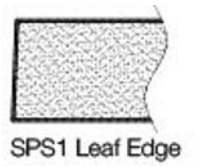
For details of RHS post walls contact Pacific Door Systems Ltd.

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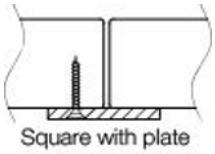
Door Leaf Options

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

Leaf Edges
The SPS1-FR has seam-welded edges as shown below.


SPS1 Leaf Edge

Meeting Stile
The meeting stiles listed below apply to paired door sets only.


Square with plate

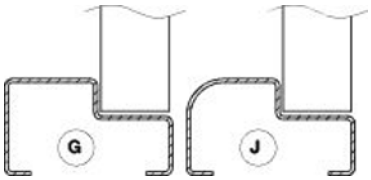
The fire-rated pair door set requires particular latching arrangements for compliance. The square meeting stile requires steel flushbolts to the top and bottom of the inactive leaf as well as a steel mortice latch at the centre.

A rebated meeting stile is available upon request. Please contact Pacific Doors to discuss your requirements.

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 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.

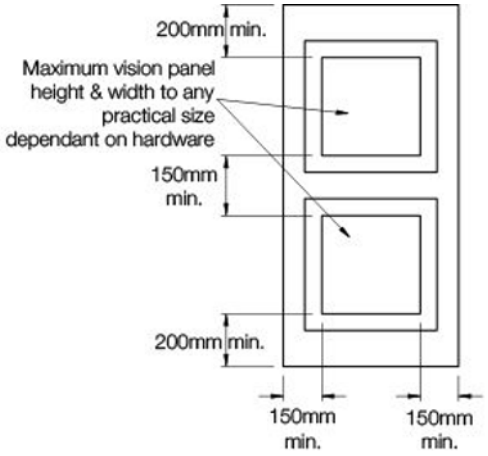
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Vision Panel

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 (2)	0.091m2	0.182m2	700	700	√	-/60/60	-/60/-
Pyran S (2)	0.85m2	1.7m2	1000	850	√	-/60/60	-/60/-
NOVOLAY Secure BR4 NS / 1.5.4 (3)	0.42m2	0.84m2	700	600	√	-/60/60	-/60/-

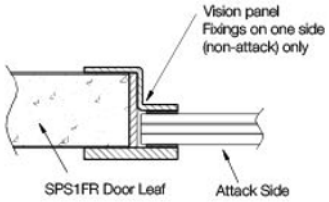
Notes:

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 36 kg / hinge



Standard Vision Panel Cross Sections

Steel Bead



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Performance

Security Testing
The SPS1 door set was subjected to 50 impacts from a 200kg cement-filled bag at 4.8m/s, in the direction of opening of the door. The door was able to be opened at the end of the test and was substantially undamaged.

Ballistic Testing
The SPS1-FR door set has been successfully tested to AS 2343:1984 “Bullet-resistant panels for interior use” with ratings of:

- G1 .357 Magnum
- S0 Shotgun 12 gauge SG shot

Thermal Insulation
This door leaf has a thermal insulation rating (R-value) of 0.615km2/W.

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