19/10/2026

Data Sheet

Pacific Armashield-FR Security Fire Door

Description

The Pacific Armashield-FR door set is an all-steel security door set, hung in a steel frame. The door set is designed for resistance to attack on the outside (hinge) face. Test results refer to a single leaf hinged door set.

For other door sets fully tested for burglar resistance, fire resistance, bullet resistance, and explosion resistance, refer to the Pacific Protector Series.

Product Features

- 120min fire rating
- Single leaf
- 2 frame options
- 3 glass options
- Compatible with masonry wall
- Bullet and Burglar Resistant
- Meets NZS4520.2010 standard

For further information on this product, visit:
https://www.pacificdoors.co.nz/products/fire/fire-doors/frr-120-minute/armashield-fr

Product options

Leaf size and wall type

Leaf size
The thickness of the Armashield-FR door leaf is 48mm with an approximate leaf weight of 80kg/m2.

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Wall Type	Fire Resistance Rating Stability/Integrity/Insulation	Door Application	Max Leaf Height (mm)	Max Leaf Width (mm)
Masonry Wall	-/120/60sm	Single	2168	1021
	-/90/-	Single	2700	1200

Notes:

1. Sizes outside of this range are possible, but this will affect the fire rating of the door set.
2. 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 types

Installation of the fire-rated Armashield-FR requires a fully grouted steel frame in a masonry or precast concrete wall of the appropriate fire rating.

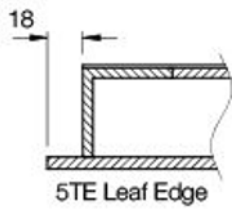
Door Leaf Options

Leaf facing

All steel leaf with attack face in 6mm steel. Non-attack (inside) face is a removable light-gauge steel panel.

Leaf edges

The Armashield-FR has leaf edges edges as shown below.



Meeting Stile

This door set is not available as a pair.

Frame types & profiles

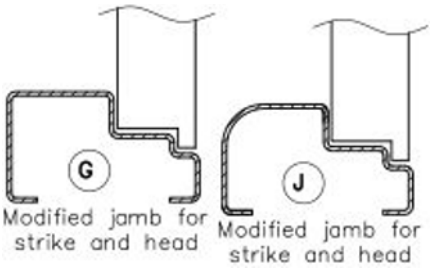
Timber Frame

This door set is only available in a steel frame.

Steel Frame

The steel frame profiles listed below are available for the Armashield-FR door set.

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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.

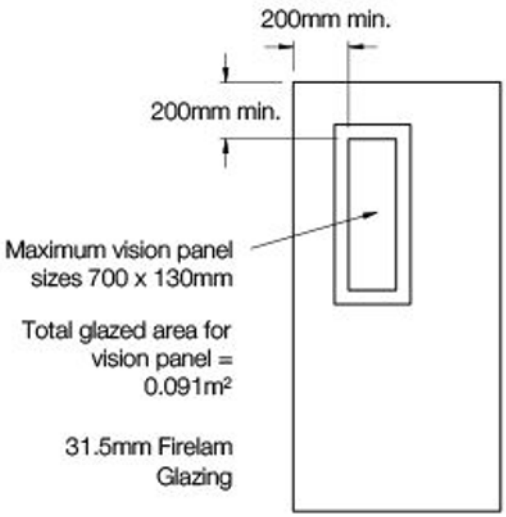
Vision Panel

Glazing Type	Maximum Glazed Area (mm)		Max Height (mm)	Max Width (mm)	Glazing Bead		FRR with Vision Panel	
	Per VP	**Total**			**Timber**	**Steeling Glaze Bead**	**Up to 0.065m2**	**Over 0.065m2**
Firelam (2)	0.091m2	0.091m2	700	130		√	-/120/-	-/120/-
Pyran S (2)	1.08m2	2.16m2	1200	900		√	-/90/-	-/90/-
Novolay Secure BR4 NS / 1.5.4 (4)	0.42m2	0.84m2	700	600		√	-/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. Blast, Attack, and Ballistic ratings may be affected if the door has a vision panel.
4. Mass of door leaf not to exceed 44 kg/hinge.

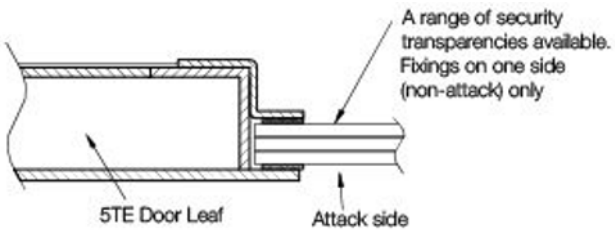
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The standard glazing system provides a flush attack face and steel beading with fixings on the “non-attack” face. The system is adaptable to various thicknesses of security glazing according to requirements.

Standard vision panel cross sections

Steel Bead only



Performance

A version of the Armashield-FR is available, tested to R2 rating.

Security Testing

A hinged Armashield-FR door set with Surelock McGill D4 three-point locking was subjected to a Level 4 attack according to AS3555-1988 "Building Elements - Testing and Rating for Intruder Resistance".

Two men attacked the door set with common hand & power tools and succeeded in removing the door leaf from its frame (thus forming an opening in the door set) after 27 minutes and 30 seconds.

Ballistic Testing

The standard Armashield-FR door set has been successfully tested to AS/NZS 2343:1997 “Bullet resistant panels and elements” with ratings of:

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- G2 .44 Magnum
- S0 Shotgun 12 gauge 32g SG shot

A version of the Armashield-FR is available, tested to R2 rating.

Ballistic-rated door sets require either a fully grouted frame installation to masonry or concrete walls, or else ballistic protection built into the frame during manufacture. Matching Ballistic Wall Panels are described in a separate section.

Thermal Insulation

This door leaf has a thermal insulation rating (R-value) of 0.029 Km2/W.

For further information on this product, visit:

https://www.pacificdoors.co.nz/products/fire/fire-doors/frr-120-minute/vp120

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