

# pyropanel fire doors ...uncompromising quality for ultimate peace of mind



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creating environments

In the seemingly unlikely event of a fire, the quality of the fire doors used in a building can severely impact on the safety of its occupants. It is during these events that products such as fire doors need to perform to specification and cannot be found wanting in any aspect of their design or construction. We therefore strongly advocate that when selecting a fire door for a building application where the safety of people and property is at risk, there should be no compromise. pyropanel fire rated doors are manufactured in Southern Africa under license to PYROANEL DEVELOPMENTS (PTY) LTD of Australia.

Pyropanel fire doors in South Africa have the required test reports, are manufactured in accordance with SANS 1253:2003 and all doors are tagged accordingly.

This gives assurance that all of the pyropanel doors are manufactured to the highest standard and are certain to provide the protection and safety required.

#### Features and Benefits

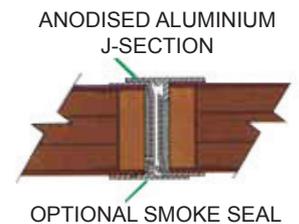
- Total peace of mind in the knowledge that our fire doors will perform when put to the test
- Lighter than conventional fire doors enabling easier transportation and on site installation
- Lightweight construction ensures less wear and tear on hinges and door furniture, thus significantly extending the life of the fire door
- Provisions for door furniture are made during construction of the doorset ensuring fixing stability
- Advanced double core technology which will consistently outperform any fire door constructed with a single core design
- Can be trimmed at the bottom by up to 5mm to accommodate floor variances

#### Minimum Resistance Periods - Minutes

Class	Stability	Integrity	Insulation
A	60	60	30
B	120	60	60
D	120	120	120

#### SABS Class A, B and D

Hinged door assemblies are available in single and double door options. Double doors are fitted with anodised aluminium "J" section meeting stiles, set flush to the door faces and forming a double lapped joint. Aluminium bull nosed sections incorporating intumescent fire and smoke seals as well as aluminium clad rebated meeting styles are also available.



#### Hardware Options:

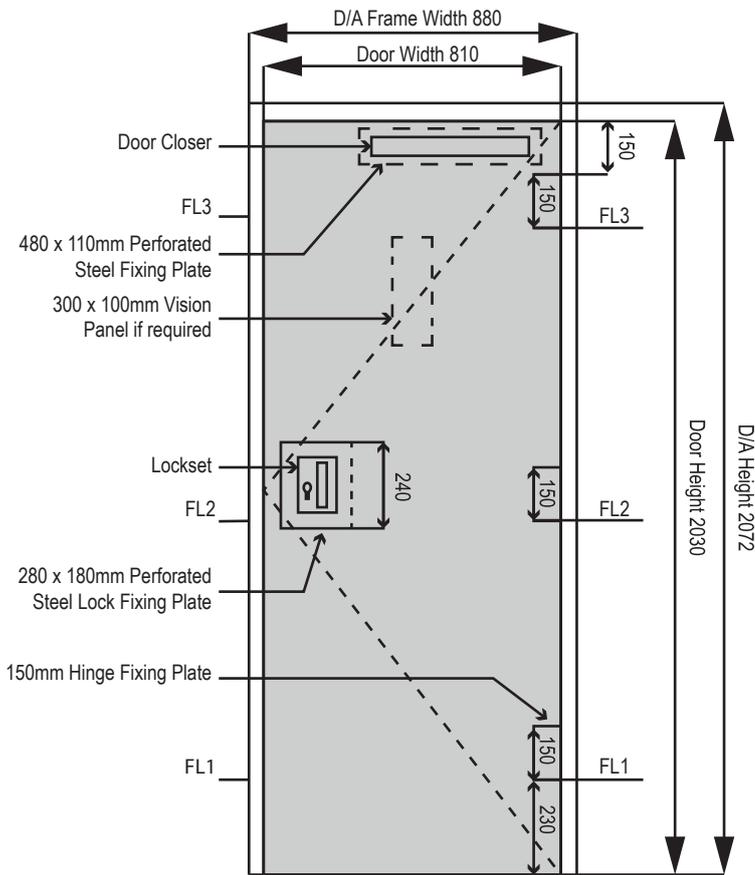
Suitable fire rated door hardware is compatible with pyropanel fire doorsets.

#### Finishes:

Doors are available in various finishes including standard plywood for painting, selected polished veneers, fire retardant laminates and steel faced and edges.

Perforated steel plates are strategically placed within the door leaf to provide suitable fixing locations for hinges, door closes, concealed door closes, floor springs, locks, furniture and panic bars. As a standard we provide for the hinges, a mortice lock with furniture and a standard fire rated door closer. If your ironmongery differs from these standard requirements it is imperative that the ironmongery specifications be provided to PELICAN SYSTEMS prior to manufacture to ensure that the correct ironmongery fixing provisions are made within each door leaf.

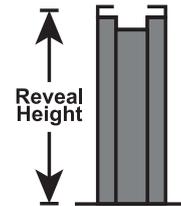
## DOOR CONSTRUCTION



## HANDING AND REVEAL SIZES

When ordering steel door frames or doorsets it is important to nominate the handing, and state correct reveal height and width required.

To determine the handing of a door leaf, look at the knuckle of the hinge. If it is on the left hand side of the door leaf, it is a left hand leaf and if it is on the right, it is a right hand leaf.



### General:

All pyropanel fire doorsets are available with Pyroceramic or Georgian wire view panels as per SANS requirements and steel kick plates to various heights where required. All doors are supplied with metal identification tags on the door leaf and frame displaying the doorset number, the date of manufacture, the class / fire rating of the door and the SANS permit number.

All doors are manufactured, labelled and supplied in strict accordance with SANS 1253:2003.

### Specifications:

Dimensions:	Maximum opening size - single leaf door	2324 x 1016 x 48mm
	Maximum opening size - double leaf door	2324 x 2040 x 48mm

### Bill of Quantity

Standard Fire Rated Hinged Doorsets (1 and 2 hour rating or SABS class A,B & D) (Specifications for all other pyropanel fire rated doorsets are available on request.)

#### 1 Hour or 2 Hour Fire Rated Doorsets

Supply and install Pyropanel fire rated doorsets in strict accordance with the manufacturer's instructions and in compliance with SABS 1253 : 2003 for a 60 or 120 minute fire rating with 3.6mm treated commercial ply or masonite suitable for painting on both sides.

Including intumescent strip to top of door, hardwood edges, specified ironmongery and hinged one side to suitable 1.6mm gauge red oxide primed mild steel / galvanized steel frame.

1. Single Leaf door 810 x 2030 x 48mm including frame suitable for 115mm / 230mm brick wall.
2. Unequal Leaf Double door 1200 x 2030 x 48mm including frame suitable for 115mm / 230mm brick wall.
3. Equal Leaf Double door 1620 x 2030 x 48mm including frame suitable for 115mm / 230mm brick wall.
4. Single Leaf door 810 x 2030 x 48mm including 100 x 300mm vision panel with Pyroceramic fire resistant glass and frame suitable for 115mm / 230mm brick wall.
5. Unequal Leaf Double door 1200 x 2030 x 48mm including 100 x 300mm vision panel with Pyroceramic fire resistant glass to each leaf and frame suitable for 115mm / 230mm brick wall.
6. Equal Leaf Double door 1620 x 2030 x 48mm including 100 x 300mm vision panel with Pyroceramic fire resistant glass to each leaf and frame suitable for 115mm / 230mm brick wall.
7. Frames suitable for fire rated drywalls are available on request.