



pyropanel

fire doors ...for uncompromising quality and total peace of mind

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 PYRO PANEL DEVELOPMENTS (PTY) LTD of Australia.

Pyropanel fire doors in SA have the required test reports, as well as holding the SABS mark which means that any door can be randomly selected by SABS and tested to ensure that the unit performs as per the originally tested specimen.

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



This ensures that you, our customer, has absolute peace of mind in the knowledge that every one of our doors is made to the highest quality standards and is guaranteed to do the job for which they are intended.

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

Fire Retardant with a classification according to SANS 1253:2016

Pyropanel fire doors in South Africa have the required test reports, are manufactured in accordance with SANS 1253:2016 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.

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. Up to 4 hours fire rating.



Hardware Options

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

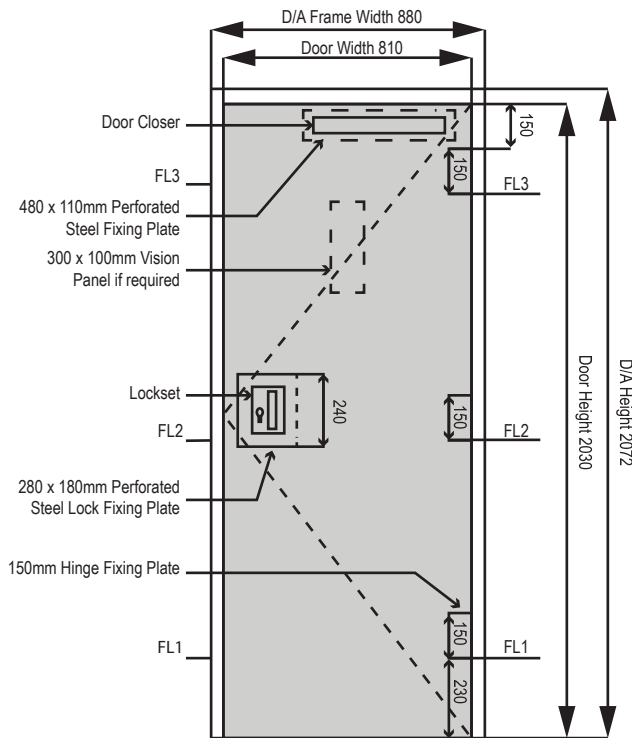
Finishes

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 you 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.



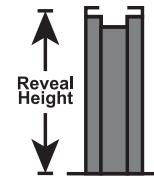
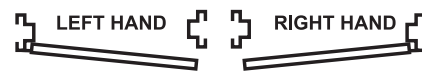
DOOR CONSTRUCTION



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

Please note: All weather facing doors must be fitted with steel cladding for protection from the elements.

Bill of Quantity Specification

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.

All installations to be done in accordance with SABISA guidelines. Specifications are available on Autospec and our website.

A full list of stockists is available on the Contacts Page of our website.