

P & H Protective Plaster Systems (Pty) Ltd.

P.O. Box 11845
Aston Manor, 1630
41 Pomona Road
Pomona, Kempton Park

Co. Reg. No. 79/00510.07
www.phrocklite.co.za

Schützen, Was Wichtig Ist

Office: 011 979 3319
011 979 2301
011 396 2330
Fax: 011 979 2931



ROCKLITE® 'I' HINGED FIRE DOORS

Manufactured to SANS 1253:2003 (edition 3) and stringently tested by the SABS over the years with a proven fire protection rate of two and a half hours. ROCKLITE® fire doors have many other advantages over traditional fire doors. (Test Reports are available on both our ROCKLITE® single fire doors as well as our ROCKLITE® double fire door assemblies.

- ROCKLITE® fire doors are lightweight, weighing only 29kg per standard size panel, and are easy to install. They are manufactured in a wide range of sizes and veneers to match existing surfaces.
- ROCKLITE® fire doors are supplied with a purpose-made 1,6mm steel frame with a 25mm rebate including one and a half pairs of brass hinges. Frames can be manufactured to suite all wall requirements including existing wall openings and partitions.
- Constructed with an inner monolithic, asbestos-free, fire resistant core, ROCKLITE® fire doors have reinforced steel inserts strategically located within the core material to strengthen hinging and hydraulic closure attachment.

NATIONAL TEST STANDARDS

FIRE RATING

	Class A	Class B	Class C	Class D	Class E	Class F
Stability	1 hour	2 hours	2 hours	2 hours	½ hour	½ hour
Integrity	½ hour	1 hour	2 hours	2 hours	½ hour	½ hour
Insulation	½ hour	1 hour	not required	2 hours	½ hour	not required
Impact Test	n/a	n/a	yes	yes	n/a	n/a

- **GENERAL REQUIREMENTS** – fire doors of all classes shall be assembled in the factory and supplied as a complete pre-hung door. For the purpose of easy erection and to avoid damage during transportation or during building operations, the door may be taken out of the frame, provided that the frames and doors are number-matched. Locks and closers may also be fitted on site by qualified personnel, in accordance with the manufacturer's instructions.
- **STABILITY** – the door or assembly shall withstand the prescribed fire exposure and effectively close an opening without the doors moving out of the frame by more than 25mm.

- **INTEGRITY** – the door or assembly shall withstand the prescribed fire exposure without the development, at any point of the door, of a straight-through gap of width that exceeds 6mm.
- **INSULATION** – the door or assembly shall withstand the prescribed fire exposure without the mean temperature of the exposed face rising to more than 140°C initial ambient temperature, or the temperature at any point of the face rising to more than 180°C above initial temperature.
- **IMPACT TEST (class C & D assemblies only)** – enables the door to resist two successive impacts of a sandbag 250 mm in diameter and a mass of 27kg without the formation of any opening wider than 25 mm. This test, which is fully described in The South African National Standard – Section 5.5 and 5.6.

DOOR FINISHES

Doors are clad with a variety of finishes including Masonite, Sapele Veneer, Commercial Veneer, White Oak Veneer, Poerier Formica and many more variants, as per customer requirements. All double doors are fitted with Slambars / Meeting stiles. A class 'D' Fire door is finished with either veneer on external side and concealed steel cladding or steel clad on external side, once again, this is as per customer requirements.

VIEWING PANEL

Each leaf of a fire door assembly of class A, B, E or F may have only one glazed area or viewing panel of dimensions that do not exceed 100mm x 300mm or of diameter that does not exceed 200mm. Viewing panels shall not be permitted in class C and class D fire door assemblies. The viewing panel consists of double glazed clear Georgian Wired Glass fitted in double Steel Frames.

CLOSING DEVICE (door closer)

Each fire door assembly shall be fitted with a closing device that is compatible with the class of door used and that is of the type required. The closing device shall close the door, even though the door may have been pushed open to the limit of its travel.

FASTENINGS

Fastenings, including locks, latches, bolts or any combination of these, shall be of types compatible with the type and class of door and shall be as required. Mortice locks shall not exceed 150 mm in depth and 20 mm in thickness. When the doors are required to form part of the escape route, the fastening shall allow the door to be so installed that they can be easily opened in the direction of the escape without special knowledge or the use of keys or tools. We supply and install all ironmongery required by fire doors.

FRAMES

The width and rebates of frames shall be at least 25mm and the material thickness of steel frames should be at least 1,5mm for class A, B, C, & D doors. Frames of which the height does not exceed 2,08m shall have at least three hinges per leaf. All other frames shall have at least four hinges per leaf.

DIMENSIONS

The width and height of a single-leaf door and each leaf of a double-leaf door shall be as required, but should not exceed 1,2m and 2,7m respectively.

CLASS A & B HINGED DOOR SPECIFICATIONS:

ROCKLITE® 'I' Class A & B fire resistant doors are finished in a variety of veneers or Formicas. Galvanized or Stainless Steel cladding can be fitted on either both sides or external side only, this will prolong the lifespan of the doors, protecting against weather damage and vandalism, especially if they are used for an external application.

The doors are hung to a 1.6mm mild steel or pre-galvanized frame with 3 x heavy duty brass hinges per leaf.

The doors shall be assembled in the factory and supplied as a complete pre-hung unit (door and frame), doors are to be labeled indicating manufacturers name, fire rating, serial number and year of manufacture. (Test reports are to be available on request.) Floor clearance of the leaf of a door shall not be less than 5mm and not be more than 12mm.

These doors are available with one viewing panel per leaf, no bigger than 100mm x 300mm as per SABS specifications.

Standard sizes for Single Fire Doors are 813/900/1000 wide x 2032/2400 high with a minimum of 1.6mm frame for a half/one/drywall partitioning.

Standard sizes for Double Fire Doors are 1511/1600/1800 wide x 2032/2400 high with a minimum of 1.6mm frame for a half/one/drywall partitioning.

No hinged fire door panel must exceed 1200mm wide x 2700mm high.

CLASS D HINGED DOOR SPECIFICATIONS:

ROCKLITE® "I" Class D fire resistant doors are finished with either veneer on external side and concealed steel cladding or steel clad on external side

The doors are hung to a 1.6mm or 2.0mm mild steel or pre-galvanized frame with 4 x heavy duty brass hinges per leaf.

The doors shall be assembled in the factory and supplied as a complete pre-hung unit (door and frame), doors are to be labeled indicating manufacturers name, fire rating, serial number and year of manufacture.

Standard sizes for Single Fire Doors are 813/900/1000 wide x 2032/2400 high with a minimum of 1.6mm frame for a half/one/drywall partitioning.

Standard sizes for Double Fire Doors are 1511/1600/1800 wide x 2032/2400 high with a minimum of 1.6mm frame for a half/one/drywall partitioning.

No hinged fire door panel must exceed 1000 wide x 2400 high.

Example of Standard Fire Door Specifications

Single Fire Door (813 x 2032mm)

- Door Description:** ROCKLITE® 'I' Class B (120mm) Single Fire Door Complete with Steel Frame
Size: 813 x 2032 x 44mm
- Door Finish:** 3mm Masonite Finish for Painting Both Sides with Meranti Edging
- Frame Description:** Mild Steel Frame – Formed from 1.6mm Mild Steel
Double / Single Rebated Frame for 90 / 115 / 230mm
1½ Pairs Heavy Duty Brass Butt Hinges per Leaf
- Frame Finish:** Red Oxide Factory Prime Coat
Universal Undercoat with Two Coats Plascon Velveglo (*your color code / choice*)
- Glazing:** N/A
(If you want a viewing panel: 100 x 300mm 6mm Double Glazed Georgian Wire Glass Viewing Panel with Steel Frame)
- Ironmongery:** *Your choice*
(Please Note: all fire doors must have door closers & must open with one movement, for example, no lever handle with knob cylinder, no key)

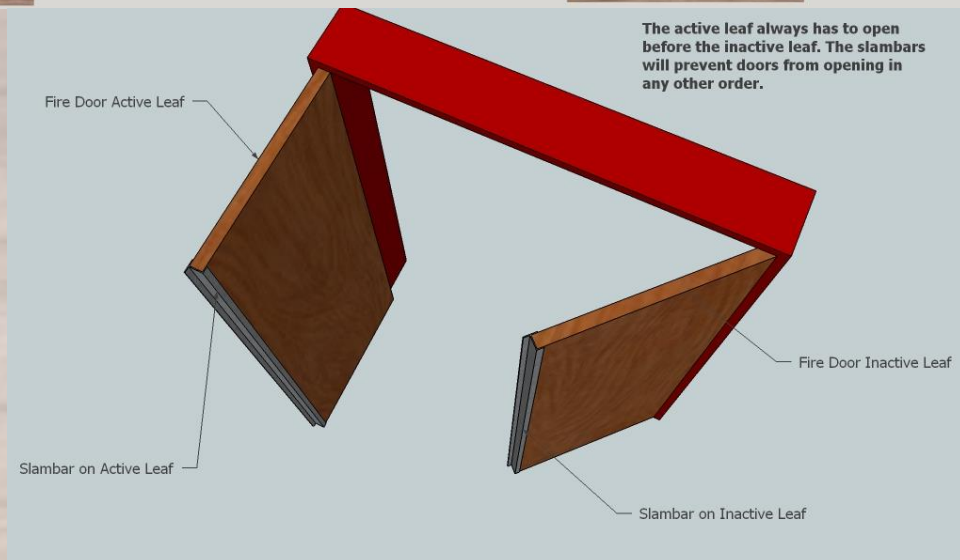
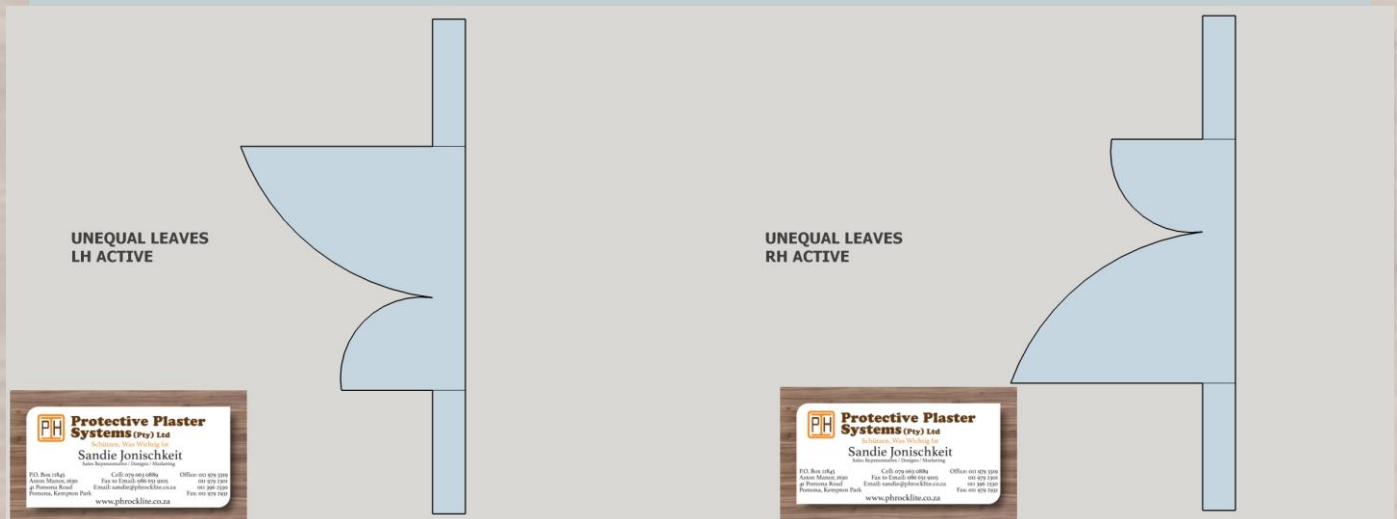
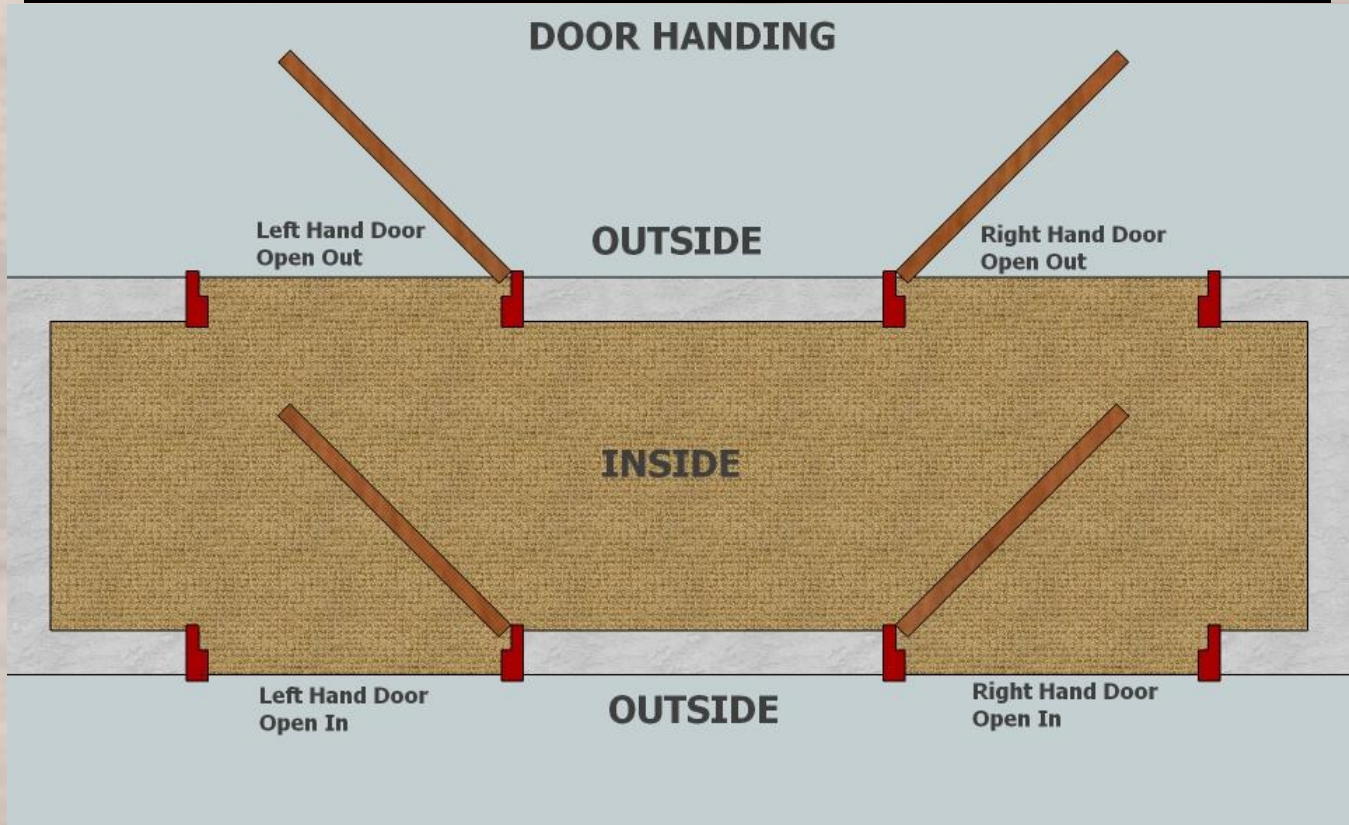
Double Fire Door (1613 x 2032 x 230mm)

- Door Description:** ROCKLITE® 'I' Class B (120mm) Double Fire Door Complete with Steel Frame
Size: 1613 x 2032 x 44mm
- Door Finish:** 3mm Masonite Finish for Painting Both Sides with Meranti Edging
- Frame Description:** Mild Steel Frame – Formed from 1.6mm Mild Steel
Double / Single Rebated Frame for 90 / 115 / 230mm
1½ Pairs Heavy Duty Brass Butt Hinges per Leaf
- Frame Finish:** Red Oxide Factory Prime Coat
Universal Undercoat with Two Coats Plascon Velveglo (*your color code / choice*)
- Glazing:** N/A
(If you want a viewing panel: 100 x 300mm 6mm Double Glazed Georgian Wire Glass Viewing Panel with Steel Frame)
- Ironmongery:** Galvanised Slambars at Meeting Stiles
Your choice
(Please Note: all fire doors must have door closers & must open with one movement, for example, no lever handle with knob cylinder, no key)





PLEASE ALWAYS ENSURE THAT YOU SELECT THE CORRECT HAND WHEN ORDERING:

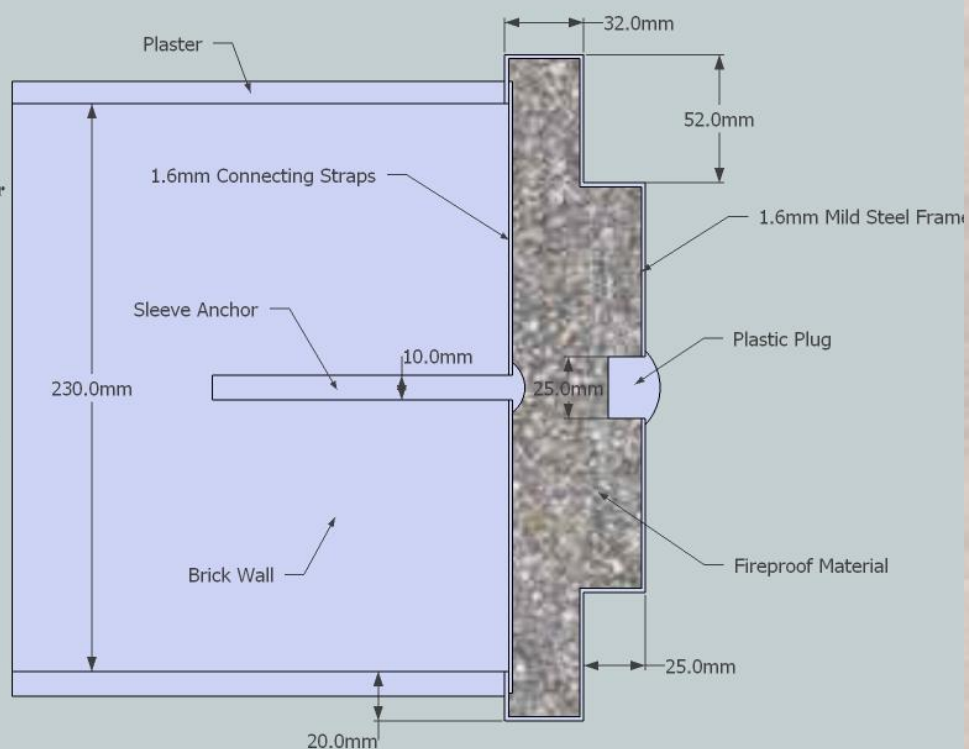


VARIOUS FRAME SOLUTIONS:

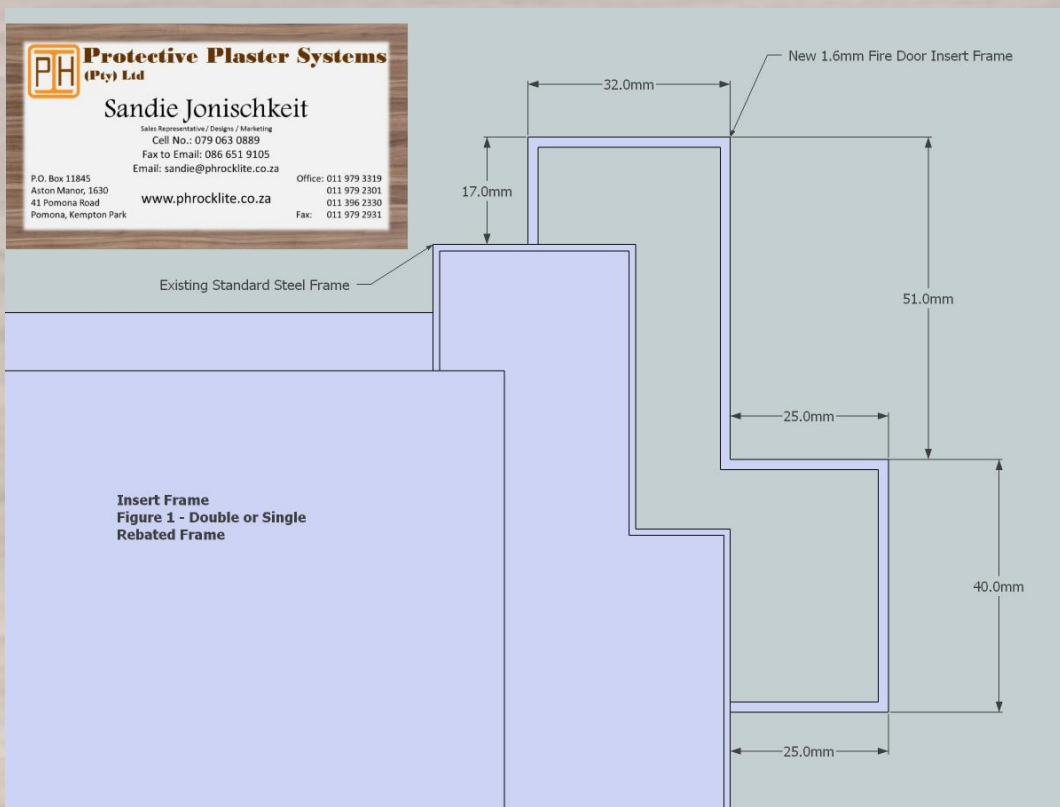


**P&H ProtectivePlaster
Systems (Pty) Ltd**
www.phrocklite.co.za
011 979 3319

**Bolt-On Frame
Figure 1 - Double Rebated
Frame**



Bolt-On Frame – where there is an existing wall opening or an existing wooden frame that needs to be replaced with a fire door frame.



Insert Frame – Where there is an existing mild steel standard door frame that needs to be upgraded to a fire door frame.

Storage of Fire Doors:

- Fire Doors should be stored in a dry area.
- Doors should be stored on level surfaces / supports.
- When handling the door, make sure that the surface of the door leaf is not damaged in any way.

Installation of Fire Doors:

- The frame must be installed plumb, square and true as the doors have been factory fitted to the required limits.
- It is advisable when building-in the frame to square the frame with the leaves in them and to ensure that the top leading edges of double doors are level.
- After squaring the frame and building in, the leaves can be removed by unscrewing the hinges from the frame and storing the leaf and hinge unit for final finish / installation.
- The correct leaf / frame combination can be established by matching the corresponding numbers – on the leaf label and the frame label.

For more information on any of our products or services, please feel free to contact us:

Bernd Jonischkeit (Director / General Manager):	082 893 0777	bernd@phrocklite.co.za
Rainer Jonischkeit (Director / Financial Manager):	082 886 5500	rainer@phrocklite.co.za
Sandie Jonischkeit (Sales / Technical / Buyer):	079 063 0889	sandie@phrocklite.co.za
Peter Jonischkeit (Technical):	082 893 0776	peter@phrocklite.co.za
Nicolas Jonischkeit (Safety Officer / Sales):	083 259 5126	nicolas@phrocklite.co.za
J.D. Herholdt (Sales Supply & Install):	072 476 5907	jd@phrocklite.co.za
Bernedene Esterhuizen (Buyer):	084 999 5792	bernedene@phrocklite.co.za

www.phrocklite.co.za