

P & H Protective Plaster Systems (Pty) Ltd.

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ROCKLITE® SLIDING FIRE DOORS

ROCKLITE® Class B single and double fire doors are 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. Our ROCKLITE® sliding fire doors are also manufactured according to SANS 1253:2003 (edition 3) and have many other advantages over traditional fire doors.

- ROCKLITE® sliding fire doors are lightweight. Putting less strain on the sliding gear and therefore lasting longer. They are manufactured in a wide range of sizes and veneers to match existing surfaces.
- Constructed with an inner monolithic, asbestos-free, fire resistant core, ROCKLITE® sliding 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** – A sliding door shall be so designed and constructed that, when the door is installed in accordance with the manufacture's instructions and closed,
 - The average floor clearance does not exceed 12mm, and
 - The average clearance between the door and the overlap section of the walls does not exceed 10mm, and the maximum clearance does not exceed 15mm.
- **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.

- **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. 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.

HORIZONTAL SLIDING DOORS

A horizontal sliding door shall be suspended from an overhead rail (or rails) that are protected from dirt and foreign matter. Floor-mounted guide rails shall not be used.

VERTICAL SLIDING DOORS

Vertical sliding doors shall

- Move in protected non-combustible guides,
- Be so arranged and controlled that they can descend completely within 30 s, and
- Be so regulated that for the last 2 m of their decent they do not travel faster than 0.5 m/s.

DIMENSIONS

Sliding Fire Doors can be made in almost any required size but are required to overlap with 75mm on each side and 100mm at the top of any wall opening.





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.

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

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