



BITCON

SPECIALIZED DOORS YOU CAN TRUST



RUBIDOR® FIRE DOOR
CLASS A, B, D & E HINGED FIRE DOORS



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Bitcon Industries (Pty) Ltd is the leading name in the manufacture, supply of security, fire and lead-lined doors. Its range of products include: hinged and sliding fire doors, lead-lined doors, security doors, transformer room doors, mild and stainless steel doors as well as frames.

Bitcon Industries is based in Jet Park, Boksburg and supply doors through out Africa. With the expertise of its technical and sales team, Bitcon provides extensive advice at early design stage on details, feasibility and technical specifications.

RUBIDOR® FIRE DOOR - Class A, B, D & E Hinged Fire Doors

Technical Data Sheet No. BP 4.4 SF02A R00

Bitcon Rubidor® Fire Doors are designed to fulfill the requirements of the National Test Standard. The core is constructed from a magnesium oxychloride monolithic reinforced insulative material with excellent fire resistance and mechanical strength.

NATIONAL TEST - STANDARD FIRE RATING

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

- STABILITY is the door's ability to fulfill its design function of keeping an opening closed in the face of fire so that no fissure or opening wider than 25mm develops.
- INTEGRITY enables the door to resist fire without the development of perpendicular through openings wider than 6mm and longer in total than the largest dimension of the door.
- INSULATION refers to the door's ability to prevent the transmission of enough heat to raise the mean unexposed face temperature by more than 140°C above the initial temperature .
- IMPACT TEST enables the door to resist two successive impacts of a sandbag 250mm in diameter, and a mass of 27kg without the formation of any opening wider than 25mm. This test, which is fully described in The South African National Standard - Section 5.5 and 5.6.



DOOR FINISHES

The doors can be clad in a variety of finishes with supawood as a standard paint finish, masonite, commercial veneer, exotic veneers (subject to availability), mild steel, stainless steel and Formica laminates.

Veneered doors are lipped with a matching concealed timber edging and steel doors with channels surrounds as per the door cladding.

HINGES

Heavy duty 100mm flanged Stainless Steel hinges
Standard door leaves are fitted with 1.5 pair of hinges and two pairs on non-standard door leaves.

VIEWING PANELS (Optional / Extra)

A viewing panel to a maximum permitted size of 100mm x 300mm that has been tested in accordance with the fire rating of the door, can be fitted to and are permitted on class A, B & E doors only. The viewing panels consist of double glazed clear Georgian wired glass with brushed stainless steel frame surrounding each side.

IRONMONGERY

Both single and double doors can be fitted with standard tested locks and closers. Where electric locks are required, details of these locks must be supplied in order to prepare the frame strike cut out.

METAL INSERTS

A metal insert has been built-in to accommodate door closers. Pilot holes must be drilled into this plate and closers fitted with self tapping screws.

INSTALLATION

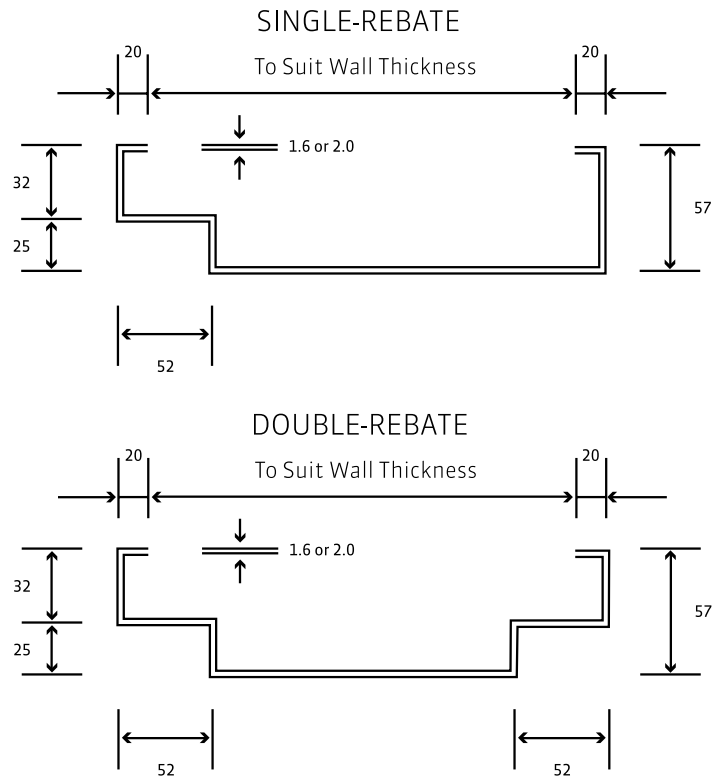
Doors and frames will be delivered to site as a unit. The doors are provided with a hardwood edging strip, so that a limited amount of dressing is available to compensate for misalignment of the frame. When installed by the contractor the door and frame unit must be installed square true and plumb with the door/s in the closed position. The bottom leading edge/s or the door/s must be wedged to support the vertical load of the door on the frame. The wedge/s should not be removed until the brickwork is satisfactory cured.

LABELLING

All doors are required to be labeled, indicating BITCON INDUSTRIES (The Manufacturer's Name), identification number, classification and year of manufacture.

FRAMES

Frames are pressed from 1.6mm (Class A, B & E) or 2mm (Class D) steel sheet or galvanised sheet if required and are fully welded. They can be formed to a single or double rebated profile with 52mm x 25mm rebates.



DOOR WEIGHTS

Class A&B - 40kg/m²

Class D - 50kg/m²

STANDARD DOOR SIZES

Single doors - 813/900 x 2032H.

Double doors - 1511/1614 x 2032H.

MAXIMUM SIZES

Single doors 1000W x 2400H.

Double doors 2000W x 2400H.

Doors in excess of 2400H can be manufactured with a door height of 2400 mm and a fixed fanlight panel with either a fixed or removable frame transom rail between the top of the door and the bottom of the fanlight panel to a maximum overall height of 3000 mm.

Whilst every precaution is taken in the preparation of this pamphlet, which describes our standard product at the time of going to press. It is not to be considered as binding in details unless confirmed by us. We reserve the right to make any alterations without notice.



Lead-Lined Hinged & Sliding Doors



Security Doors



Transformer Room Doors



RUBIDOR® - Fire Doors



Sliding & Bi Parting Fire Doors



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