



# BITCON

SPECIALIZED DOORS YOU CAN TRUST



SECURITY DOORS



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.

## SECURITY DOORS

Technical Data Sheet No. BP 4.4 SF02D R00

**Bitcon Security Doors consist of the Anti-Bandit, Polar® and Hippo® doors, each designed to fulfill a specific security function. The doors comprise a reinforced bullet resistant core to suit the security application with a veneer or steel finish, stainless steel channel surround and a stainless steel stile to the leading edge of the door to limit access to the locking mechanism.**

### ANTI-BANDIT DOOR

The Anti-Bandit door is designed to protect personnel and equipment vulnerable to small armed attacks and fulfill the requirements of the SABS Test Standard 1658-1996 for the weapons and ammunition detailed overleaf. Applications include offices, banking halls, internal doors of private residences and embassies. The Anti-Bandit door also has a 105 minute fire rating.

### POLAR® & HIPPO® DOORS

The Polar® and Hippo® doors are designed for external and internal use to protect personnel and equipment in high security areas. These doors fulfill the requirements of the SABS Test Standard 1658-1996 for the weapons and ammunition detailed overleaf. Typical applications include: Access doors to control buildings, power stations, sub-stations, embassies, diplomatic residences and financial institutions.



## DOOR FINISHES

Veneered plywood with stainless steel channel surround.

## FRAMES

The frames are pressed from 3mm steel sheet or galvanised sheet fully welded and formed to a double rebated profile with a 54mm x 20mm rebate.

## HINGES

The doors are fitted to the frame with a heavy duty continuous gear hinge, which eliminates the gap between the door and frame, preventing the door from being pried open or removed.

## VIEWING PANELS (Optional / Extra)

A viewing panel consisting of a 200mm x 300mm bullet-resistant glass with a stainless steel frame surround can be fitted. Viewing panels may only be fitted to Anti-Bandit (38mm) and Polar doors (53mm). The design of the frame surround is such that the frame cannot be unscrewed from the attack side of the door. Viewing panels may only be fitted to Anti-Bandit and Polar Doors®.

## IRONMONGERY

The doors are fitted with a single or double (depending on requirements) security lock with key operation externally, and thumb turn release internally. 300mm pull handles are fitted to both sides of the door.

## 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

The door and frame unit must be installed square true and plumb with the door in the closed position. The bottom leading edge or the door must be wedged to support the vertical load of the door on the frame. The wedge should not be removed until the brickwork is satisfactory cured.

## DOOR WEIGHTS

Anti-Bandit	87 kg/m <sup>2</sup>
Polar® Door	110kg/m <sup>2</sup>
Hippo® Door	116 kg/m <sup>2</sup>

## STANDARD DOOR SIZES

813/900/ 1000 x 2032 H. Security doors are not manufactured in double leaf format.

## ATTACK RESISTANCE LEVELS

Anti-intrusion doors are designed to protect personnel and equipment that are vulnerable to armed attack. These doors are designed to withstand various levels of assault. The doors resist the weapons and ammunition detailed below as tested in accordance with the SABS Test Standard 1658-1996 and comply with the British Standards Organisation BS5051.

### ANTI-BANDIT DOOR

Ammunition	Weight Of Projectile	Weapon	Velocity
.22 High Velocity Solid Lead	2.6g	.22 long rifle	330
.38 Lead	10.2g	.38 revolver	260
9mm Full Metal Jacket	8.0g	9mm 4" Barrel Revolver (Std. Velocity)	360
9mm Full Metal Jacket	8.0g	9mm 4" Barrel Revolver (Std. Velocity)	440
.44 Lead Point	15.6g	.44 Magnum Revolver	425
.357 Semi Metal Jacket	10.2g	.357 Magnum Revolver	425
.357 Armour-Piercing	9.0g	.357 Magnum Revolver	420

### POLAR® SECURITY DOOR

All above plus:

Ammunition	Weight Of Projectile	Weapon	Velocity
AK 47 Ball	7.9g	AK 47 Rifle	748
7.62 (.308) Full Metal Jacket	9.7g	Nato FN I RI Rifle	850
5.56 (.223) Full Metal Jacket	3.56g	R4 Rifle	960

### HIPPO® SECURITY DOOR

All above plus:

Ammunition	Weight Of Projectile	Weapon	Velocity
5.56 Armour-Piercing	3.56g	R4 Rifle	960

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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