Bullet-Proof Aluminium Doors & Windows

Custom made BULLET-PROOF powder-coated aluminium framed doors, windows, partitions and security fixtures.

Technical Specifications

Performance (Three shots 100mm apart):
- 28mm BRG – 9mm Parabellum
- 38 mm BRG – Light handgun, 357 magnum.
- 53 mm BRG – AK 47

Glass: Bullet Resistant Glass (BRG) can be manufactured in:
- Full vision (clear)
- Reflective
- Solar coated
- Tinted
- One way effect
- E-coating

Frame Construction:
- Mid (chair) rails required for doors.
- Maximum pane size is 1.2 sq. meters.
- Single swing / open in / open out.
- Glass thickness available in 19mm , 38mm and 52 mm.
- The U-Value will be determined by the glass specification.

Product Offering
- Aesthetically appealing due to powder coated aluminium framework.
- Concealed (hidden) fixings.
- Internal acrylic and external weather sealing is included in the quoted price.
- For interior and exterior use.
- Anodised, powder coated and “wood like” finish available.

AAAMSA Guidelines and Conformance
- Glazing code of practise conforms to SANS 10137.
- Glass guaranteed for 5 years against delamination
- Security and safety glazing material conform to SANS 1263 Part 2 & 3.
- Powder coating guaranteed for 15 years against discoloration & peeling.
- Powder coating 60 microns in accordance with SANS 1578 and 1796.
- Water resistance: Minimum AAAMSA requirement class A2.

Door Hardware:
- Standard hardware for hinged doors:
  - Push and pull handle
  - Mortice lock
- Optional door hardware:
  - Electric strike release
  - Over-head surface closers
  - Exit device (panic hardware)

Quality Assurance
- All fixings are concealed.
- Glass panel cannot be removed on the threat side.
- Structural opening to all sides to be provided by the Client.
- Cleaning to be done in accordance with Manufacturer’s guidelines to avoid scratching of glass.
- No wet trades allowed in frame area during or after installation.
- Recommend that the door and frame system be used in conjunction with protected wall, partitions, bulk head and ceiling areas.

Fixings and Frame Installation
- No fixing allowed closer that 50mm from edge or structural corner.
- Fixings at maximum 200m from frame corner or rails.
- Fixing generally at maximum 400mm centres.
- Only stainless steel fixings used.

Why safeTdoor® Bullet-proof products?
- Advantage of glass doors is the clear vision that will alert people to the threat.
- Custom made to order.
- Shop drawings are included in the quoted price.
- Available in full powder coating range, with variety of colours.
- Glass thickness up to 52mm.
- Conforms to SANS and AAAMSA standards.
- Easy installation.
- Water resistant.
- Easy to clean.

Who Needs Bullet-Proof Glass?
- Gas stations
- Convenience stores
- Law enforcement facilities
- Public and private locations
- Ideal to create safe havens in houses

Contact us for a Free Quote!

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Visit our website for full specs.
Example Configurations

Double Door
Double Door with Sidelights
Double Door with Sidelights & Toplight

Single Door
Single Door with Toplight
Single Door with Side-light & Toplight

Fixed Panels
Fixed Panels with Transom
Fixed Panels with Transom & Mullions

Horizontal Cross-section – Door

Vertical Cross-section – Door

Door Handing Options

LH
Outside
LH Reverse

RH
Outside
RH Reverse

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FIRE-PROOF custom-made, powder coated aluminium framed doors and windows.

Technical Specifications

Fire Proofing:
The fireproofing time span is achieved by inducing a special cooling material into the profile chambers and by using self-adhesive and water-resistant swelling gaskets. These gaskets do not need to be sealed, reducing fabrication time and manufacturing costs.

Door Options:
Range is available as outward opening single and double doors, panic doors, combined fixed window elements as well as glazed partition walls. The extensive range of configurations offers a wide choice of options and combinations for architects to work with. Furthermore a large selection of accessories and locking devices are available.

- Glazing with 6mm or 8mm Pyran-S®.
- Custom sizes and configurations made to order.
- Internal acrylic and external weather sealing is included in the quoted price.
- For interior and exterior use.
- Anodised, powder coated and “wood like” finishes available.

Performance:
- Frames are filled with cooling foam.
- Glazed with 6mm or 8mm Pyran-S 60 minute fire rated glass.
- AAAMSA performance A2 for stability, air leakage and water penetration.

Technical Characteristics:
- Rebate Height: 25 mm.
- Glass thickness: 6mm or 8mm Pyran-S®
- Glazing method: dry glazing with EPDM gaskets.

Why safeTdoor® Fire-proof products?
- Advantage of glass doors is that it alerts people to the fire and also can assist with search and rescue.
- Custom made to order.
- Easy installation.
- Shop drawings are included in the quoted price.
- Available in full powder coating range, with variety of colours.
- All fixing are concealed.
- Panel cannot be removed by thread side.
- Conforms to SANS and AAAMSA standards.
- Water resistant.
- Easy to clean.

Who Needs Fire Resistant Glass?
- Gas stations
- Convenience stores and shopping centres
- Public and private locations
- Fire Exit doors for office blocks
- Staircases
- Fire Exit doors required by law

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Horizontal Cross-section – Door

Vertical Cross-section – Door

Door Handing Options

LH Outside
RH Outside
LH Reverse
RH Reverse