

# BRISTOL

## FIRE DOORS

### HIGH QUALITY FIRE DOORS

- Wood Finish Door
- Stainless Steel Doors
- Fully Glazed Steel Door
- Steel Stiffed Core Doors
- Honeycomb Core Doors
- Steel Doors And Frames



## STEEL DOORS AND FRAMES

### Introduction

Steel products are rugged, long lasting and offer great endurance through time. They resist environmental stress like heat and humidity that adversely impact other door and frame products. Steel products are easy to maintain and ensure virtually trouble free operation for many years. Steel door and frame products are also an ideal solution to any degree of security.

To meet the varied needs of the construction industry, BFE manufacturers a wide range of steel doors and frames for interior and exterior use. BFE doors are the most reliable door manufactured, by using only the highest quality materials and manufacturing techniques. BFE doors are produced in many sizes, gauges and design to meet the needs of architects, owners and contractors.



## HONEYCOMB CORE DOORS

Honeycomb door has a paper honeycomb core. The core is permanently bonded to the door skins strengthening the structural integrity of the door, enhancing long term performance and durability, while significantly reducing the weight.

### Honeycomb advantages are:

- 1- High strength to weight ratio.
- 2- Uniform crushing strength.
- 3- High shear strength
- 4- Excellent impact resistance.

Honeycomb is durable, can be treated to resist decay and insects, and also provides sound deadening with door to form hundreds of small I-beams with the door, with a uniform thickness and flat surface that makes it easy to add lites, louvers or other features. It reinforces the full width and height of the door. Door edge is mechanically interlocked to the full height of the door. Top and bottom channels provide stability and protection.

### Specifications:

Door thickness	: 44mm
Finish	: Factory primed and powder coating
Steel sheet thickness	: 1.2mm for leaf, 1.5 mm for frame
Core	: Honeycomb core
Astragal	: On one leaf of double doors
Top/Bottom Channels	: Inverted or flush U-Channel
Fire Rating	: 4 hrs Flush door or with vision panel



## STEEL STIFFED CORE DOORS

Stiffed door has vertical steel-stiffeners throughout the height of the door. The stiffeners can be of Z-Section, U-Channel, Offset-Channel or Hat-Sections welded to each skin of the door. Steel-Stiffened core is the most reliable and durable construction.

Steel Stiffened doors are used for exterior use, where rigidity is important. They are available in various degrees of strength and quality. Door edges are mechanically interlocked the full height of the door. Top and bottom channels provide stability and protection.

### Specifications:

Door thickness	: 44 mm
Finish	: Factory primed and powder coating
Steel sheet thickness	: 1.2mm for leaf, 1.5 mm for frame
Core	: Rock wool
Astragal	: On one leaf of double doors
Top/Bottom Channels	: Inverted or flush U-Channel
Fire Rating	: 4 hrs Flush door or with vision panel



## STAINLESS STEEL DOORS

Stainless steel door is one of the most prestigious doors which symbolize class and elegant combined with the best quality of materials and excellent performance. With its futuristic and contemporary designs, it is the ideal door to be used for high specifications architectural environments such as health care, chemical plants, sanitation, water treatment, and also airports, hotels and hospitals. Stainless steel door is designed for excellent service life and corrosion resistance in moderate to serve environments.

### Specifications:

Door thickness	: 44mm
Finish	: Brush, Mirror, Satin and Etched.
Steel sheet thickness	: 1.2mm for leaf, 1.5 mm for frame
Core	: Honeycomb core, Rock wool.
Fire Rating	: Up to 4 hrs Flush door or with vision panel



## WOOD FINISH DOOR

Wood finish door is a representation of natural beauty of wood in durable, fire rated steel door. It is an ideal door to go with commercial, residential and hotel buildings particularly for main entrance doors, office doors. It is a logical solution to replacement of wooden doors due to its high fire rating, durability and natural wood effect. It is also very economical compared to fire rated wooden doors while maintaining the natural finish look of solid wood.

### Advantages:

- 1- Economical compared to fire rated wooden door
- 2- Maintains the natural finish look of solid wood
- 3- With UV and humidity resistance
- 4- Available in more than 60 wood finish patterns



## FULLY GLAZED STEEL DOOR

These Decorative Front Doors are durable in construction and are largely used in varied applications like lift lobby, offices, main entrance doors, corridor doors, airport and banks.

It's attractive modern look and adds a touch of class to the building décor without sacrificing the fire rating requirements.

### Features:

- Available in various sizes.
- Highly Durable.
- Accurate dimensions.
- Attractive designs.
- Powder coated finish or wooden finish or stainless steel finish.
- Fire rating up to 60 min.

