

The system offers non-thermally broken sections to suit doors installed in high traffic situation

Introduction

The basic suite has outer box frame sections to allow the doors to be fitted against the internal reveal if required.

Also included in the basic suite of profiles are a range of door mullion / transom / mid-rail sections.

Various other profiles can be designed and incorporated allowing architects to achieve flexible designs. The system is glazed internally to accommodate a range of double glazed units, using standard beads.

As with all Brital systems, the door system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.

Scope

This specification defines materials, construction, finishes and size limits for the non-thermally broken door system.

Materials

Aluminium profiles are extruded from aluminium alloy 6063 T6 complying with the recommendations of BS EN 12020-2:2008 / BS EN 755-9:2008

Finishes

The range of sections can be provided in either of the following range of finishes:

1. Anodised to BS 1615 or BS 3987 (Natural or Coloured)
2. Powder organic coated to BS 6496

Subject to Brital approval other finishes may also be used.

Construction

Frame members are cut at 90°, corners are reinforced with extruded aluminium cleats.

Joints are screwed together with stainless machine screws. For greater strength a tie bar can be provided through the door rails at the head & cill.

Mullion and transom bars are square cut and fixed securely to the frame by means of stainless steel screws.

All frame joints are sealed during construction against entry of water. Extruded weatherstrips and glazing gaskets are provided to resist the ingress of water.

Glazing

Two types of glazing beads are used. For the longest frame edge beads are directly engaged into the frame, whilst on the shortest frame edge the beads are held secure by means of bead clips. Gaskets are provided internally and externally as described in section 9.

For glass support, setting blocks and flat packers are provided to locate into the sections, also see section 9.

Installation

Detailed installation instructions are provided which should be strictly followed.

Open In & Out Door Fittings

The sections are designed to suit Dorma overhead door closers which allow the door to be used as either open-in, open-out or as double action doors (opening in and out).

Brital can provide a number of lock options designed to suit the door.

A variety of pull handles options are

available for use with the door.

Brital are able to advise on a range of fittings and accessories.

Brital should be contacted for any special operating requirements.

Max/Min Size Limits

Swing Door (Single shutter size)			
Max Weight	Door Shutter Height	Door Shutter Width	RTS 85 Closing Force
90kg	3000mm (max)	1050mm (max)	EN 4
		600mm (min)	EN 3

RTS 85 Closing Force (Limitations)		
Internal and External Doors	up to 950mm	EN 3
	up to 1050mm	EN4

Compatibility

The Brital swing door is fully compatible with the other Brital products and where possible uses interchangeable components.

Performance

The Brital swing door system has been designed to provide robust doors in areas which are subject to high level traffic.

These levels of performance should be sufficient for any location within the Gulf. However, should higher levels of performance be required for any reason, Brital's advice should be sought.

Development

Our policy is to continually research the market for new and improved products. We must therefore retain the right to amend specifications without prior notice.

It is recognised by Brital that in some instances special sections may be required for particular projects. When this occurs it may be possible to produce bespoke sections.