BRITAL
ALUMINIUM FACADE DESIGNS

TB - 113 - TSDR
TILT SLIDE DOOR SYSTEM (THERMALLY BROKEN)
SPECIFICATION

The system offers thermally broken sections to suit the specific project requirements

Introduction

The basic suite has equal leg outer frame section and an internal trim to allow the Tilt Slide doors to be fitted against the internal reveal if required.
Also included in the basic suite of profiles are a range of vent and mullion / transom / mid-rail sections.
Various other profiles can be designed and be incorporated allowing architects to achieve flexible designs. The system is glazed internally to accommodate 24mm or 26mm double glazed units, using standard beads.
As with all Brital systems, the Tilt Slide Door system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.

Thermal Performance

The Brital thermally broken system in conjunction with the correct glass specification, is designed to provide optimum thermal performance.

Scope

This specification defines materials, construction, finishes and size limits for the Thermally Broken Tilt Slide 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 BS1615 or BS3987 (Natural or Coloured)
2. Powder organic coated to BS6496

Subject to Brital Approval other finishes may also be used.

The Brital thermally broken Tilt Slide Doors can be a different colour / finish internally and externally.

Construction

Frame members are mitre cut at 45°, corners are reinforced with extruded aluminium crimping cleats and corner braces. A secure joint is formed by pneumatically crimping into the extruded crimping cleat.
Mullion & Transom bars are cut, shaped 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

Glass is set against extruded gaskets externally which are fitted into gasket grooves in the frame upstand. Clip in glazing beads with internal gaskets fitted to the bead groove are held secure by means of bead clips internally. For glass support setting blocks and flat packers are provided to locate into the sections.

Installation

Detailed installation instructions are provided in this manual which should be strictly followed.

Tilt Slide Door Fittings

The sections are designed to suit Roto Tilt Slide gear. A variety of handle options are available.

Brital should be contacted for any special operating requirements.

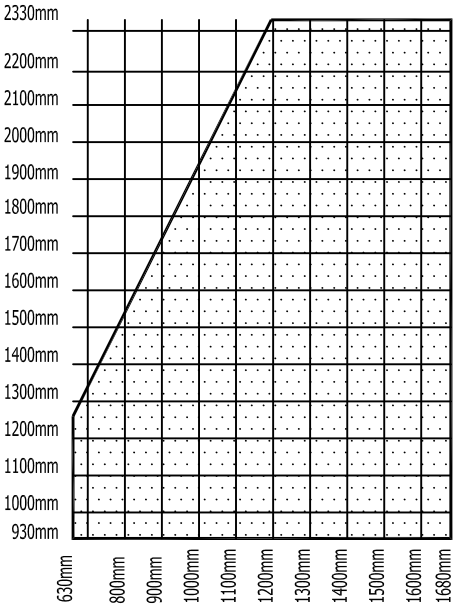
Development

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 subject to there being sufficient quantity and adequate time.

For heavy traffic doors please contact Brital for specific advice on door selection.

Max / Min Size Limits

Door Shutter Section	Door Shutter Height	Door Shutter Width
Open In Tilt Slide (single shutter size)		
BR-TT43-20-44	2330mm (max) 930mm (min)	1680mm (max) 630mm (min)



Tilt Slide Shutter Weights
with ROTO 4150 S Alu gear - 150 Kg (max)

Performance

The Brital Tilt Slide Door system has been designed to give the following levels of performance (based on single doors with fully rebated frames).
Air permeability - BS 6375 : Pt. 1 : 1983 test pressure 300 Pa
Water tightness - BS 6375 : Pt. 1 : 1983 test pressure 200 Pa
Wind resistance - BS 6375 : Pt. 1 : 1983 test pressure 1600 Pa
These levels of performance should be sufficient for any location within the Middle East, However should higher levels of performance be required for any reason, Brital's advice should be sought.