

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

Introduction

The basic suite has long and equal leg outer frame sections to allow the casement windows to be fitted against the internal reveal if required.

Also included in the basic suite of profiles are a range of vent and mullion / transoms.

Various other profiles can be designed and be incorporated allowing architects to achieve flexible designs. The system is glazed internally to accommodate 6mm or 24mm double glazed units, using standard beads.

As with all Brital systems, the NTB 43 CASE system is manufactured to exacting standards enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.

Thermal Performance

This system is not thermally broken, if thermally broken windows are required Brital have a range of thermally broken window systems

Scope

This specification defines materials, construction, finishes and size limits for the NTB 43 Casement

Materials

Aluminium profiles are extruded from 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 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 weather strips 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 provided in this manual should be strictly followed.

NTB 43 Casement

The sections are designed to suit Master hinges and handles. 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.

Max/Min Size Limits

Top Hung Open-Out Casement Window			
Shutter Type	Maximum Width	Maximum Height	Max Vent Weight
Standard	1000	1400	50kg

Side Hung Open-Out Casement Window			
Shutter Type	Maximum Width	Maximum Height	Max Vent Weight
Standard	800	1400	50kg

Where size limits exceed the above Brital have heavier duty sections available, please refer to Brital's technical department.

Performance

The Brital NTB43 CASE 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
300 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.

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