

BI-FOLD DOORS

MAIN FEATURES

- Maximum 2.1m high doors in very high wind zones. For higher doors consider using the METRO SERIES (Section 4) or APL ARCHITECTURAL SERIES (Section 6)
- FIRST bi-fold doors allow full width openings linking the interior and exterior
- The bottom roller system allows greater load capacity and increased panel width
- For uncluttered decks a 'lay-back' option allows two panels to swing back against adjoining walls rather than project out at 90° - available in 2-panel, 2+1 and 2+2 configurations (Note: facing has to be within 15mm of final finished cladding line in order to achieve 180° opening)
- Corner bi-folds (90°) are available that do not require a corner post
- Flat-face frame for clean, contemporary look
- Square cut corners for improved aesthetics
- Same profiles as the hinged and French doors ensure continuity of style
- Rebated sill track option allows flush floor levels inside and out (for sheltered locations only)
- Open In bi-fold system available in Metro Series.

FRAME TYPES

Open Out box section head, sill and jamb frames (open in frame available in Metro Series).

Rebated Sill Track for recessed track allowing flush floors inside and out (with appropriate shelter and drainage provisions).

MULLIONS AND TRANSOMS

Bi-Fold Doors Overlight Transom box section, bead glazed for maximum 24mm double glazing and 6.38mm single glazing.

Bi-Fold Doors Sidelight Mullion box section, bead glazed for maximum 24mm double glazing and 6.38mm single glazing.

TOP AND BOTTOM RAILS

Top / Bottom Rail box section, bead glazed for maximum 24mm double glazing and 11mm single glazing. Also used on Open In bi-fold system.

Rail Extender for deepening the appearance of bottom rails.

VISION RAILS

All beaded for single and double glazing.

Lock Rail (122mm)

Sidelight Mullion / Overlight Transom

Fixed Light Rail (117mm)

Sidelight Vision Rail (117mm)

DOOR STILES

Hinge / Lock Stile, box section, bead glazed, for double or single glazing.

Hinge / Lock Stile, box section, bead glazed, for double or single glazing.

Pivot / Meeting Stile, box section, bead glazed for double or single glazing.

Lay-Back Stile, box section, bead glazed for double or single glazing.

90° Meeting Stile Adaptor, bead glazed for double or single glazing.

Rebated Lock Stile, box section, bead glazed for double or single glazing. For French doors within the bi-fold set.

Rebated Keeper Stile, box section, bead glazed for double or single glazing. For French doors within the bi-fold set.

FRAME COUPLING BARS

A range of coupling bars is available for coupling all door and window frames.

GLAZING BEADS

Beads come in three types to cater for different looks and glass thicknesses:

Flat (or Flush) where double glazing is used.

Sloped for single glazed sashes and fixed lights.

Square to achieve a strong, solid look - when single glazing is used.

COLONIAL GLAZING BARS

These come in three bar widths -18mm, 24mm and 28mm. For single glazing the raised bar is adhered to the glass exterior with the matching size flat bar applied to the inside. For double glazing the flat bar must be used both internally and externally.

FLASHINGS

FIRST has a range of standard flashings.

FINISH / COLOUR

Powder Coated in a wide range of colours.

Anodised silver or bronze as standard, 12 micron thickness. Other colours and thicknesses are available.

GLASS

Double glazed units to a maximum of 24mm thickness are possible and single glazing to a minimum of 5mm. Glass thickness and type to be used is covered by the Human Impact Safety requirements of NZS4223. For glass panels over 0.5m² Grade A safety glazing must be used. The full range of glass types can be included in this product. For further information consult your local FIRST manufacturer.

PERFORMANCE

FIRST complies with NZS4211: 2008 Performance of Windows. Certificates provided on request.

A guarantee for all FIRST products is provided under normal conditions of use against failure of materials and workmanship for five years from the date of practical completion.

SIZES

WANZ standard test is a 4-panel (2+2) 2010mm high x 2810mm wide and FIRST bi-fold doors conform to the highest wind rating.

For open out bi-fold doors the maximum panel weight is 50kg with a maximum panel height of 2100mm and width of 900mm for very high wind zones. Higher doors may be possible in lower wind zones.

For higher doors specifiers should consider using the APL ARCHITECTURAL SERIES.

HARDWARE

FIRST bi-fold doors are generally supplied with Urbo or Miro bi-fold operators. 'D' handles are also fitted to assist pull-in. Lockable bi-fold operators are also available. Elemental operators are available in silver or black anodised finish. An Icon stainless steel version can also be supplied.

Where single hinged or French doors are used in the bi-fold set, a lever lock is generally used.

Black is the standard colour but hardware can be colour matched to the doors if desired. Icon hardware is supplied in a natural stainless steel finish.