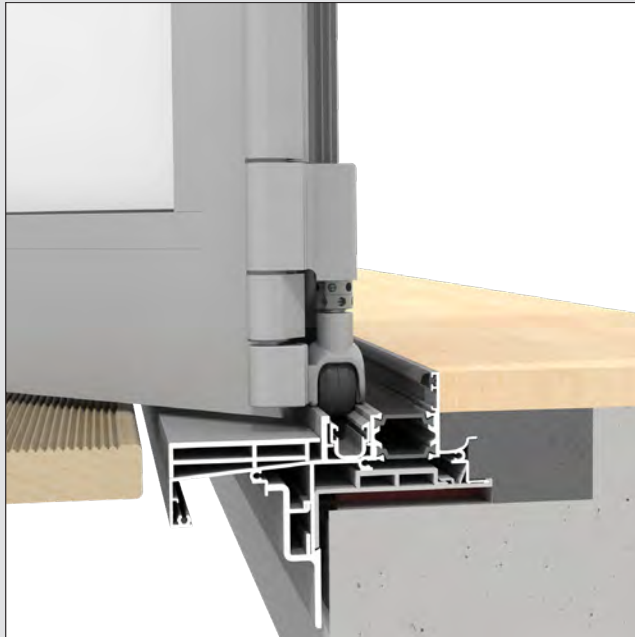


# Bi-fold Doors



Bi-fold sill, rail and roller.

## Key Features

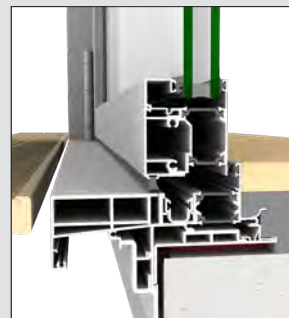
- Panels are deeply set within the building wall, delivering a strong appearance
- A wide range of configurations available
- Assured smooth operation through enhanced adjustability
- Adjustable jamb pivots remove any stresses in bi-fold geometry
- A slender door stile and rail option is available to minimise visual intrusion
- Overlights possible
- Door height of 2700mm possible in demanding wind zones. For larger sizes consider using APL Architectural Series ThermalHEART®
- Maximum glass thickness of 44mm IGU - compliance with NZBC clause H1 Energy Efficiency requires high performing Low-E double glazing.



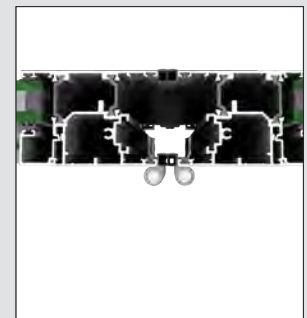
Bi-fold door fold (inside view).



Urbo, Miro and Icon bi-fold handle.



Flush sill with small rail option.



Bi-fold door meeting stiles.

## Specifications

### Dimensions

Recommended maximum panels of 2700mm high by 900mm wide

### Maximum Glass Thickness

44mm IGU

### Thermal Values

Complies with the Construction R-values provided in NZBC clause H1, Appendix E, 1.1.1., table E1.1.1.

R values for windows and doors used in buildings other than for Housing please consult APL Technical Department

### Performance

Tested to Extra High wind zone

## Design Considerations

- Careful consideration of bi-fold use is required when projecting on to decks or pedestrian areas
- A good option for maximum views and ventilation when open, but needs to be monitored if windy conditions occur
- A slender door stile and rail option is available to minimise visual intrusion in the closed position
- Free-swinging panels can provide easy exit in bi-fold sets
- In closed position bi-fold door stiles impact views
- Centrafix™ has a predefined distance to accommodate the building cavity and claddings, some bespoke claddings may not suit.

