

50mm Commercial Door

**PROVIDES ENERGY-EFFICIENT INTERIOR
TEMPERATURES ALL YEAR ROUND.**

Thermally Broken 50mm Commercial Door

Alspec's ThermAFrame 50mm Commercial Door is an energy efficient option that utilises the latest in European Polyamide Thermal Break technology.

Combined with Australian design principles this achieves the best possible results in energy rating in a system that is easy to fabricate and install. Its versatility allows seamless integration into ThermAFrame Centre Pocket and Flush Glazed Systems to achieve the most challenging structural and energy requirements. It has been designed to accommodate high performance double glazed units that can maximise the performance of the building envelope.

Available in a 50mm Door width featuring a 'double wishbone' Thermal Break design the ThermAFrame Commercial Door allows architects to minimise the transfer of heat or cold across a door with a standard system.

Glazing could not be simpler with the colour coded wedges from standard Alspec systems being utilised to deal with the many diverse glass options.

Featuring optional top and bottom seals for increased performance the ThermAFrame Commercial Door is the preferred choice where superior weather performance is required.

A range of glass thickness options up to 32mm allows the system to be configured for excellent thermal and acoustic performance.

The system is complemented with proprietary Heavy Duty Aluminium Hinges to ensure maximum performance with large, heavy IGUs. Sashes can be fitted with most standard locking options.

CAD Cross Sections



Key Features

- Excellent 'Uw' values down as low as 2.3
- Utilises a strong 'Double Strut' thermal break construction for maximum strength in the door panel
- 38mm wide glazing pocket accepts double beaded rolls in both sides
- Colour coded glazing wedges ranging from 3mm to 7mm in one mm increments
- Heavy Duty Aluminium Hinges designed for use with the system
- Stronger sash achieved through the use of custom designed corner clamp spigot
- Door can be installed as either Hinged, Pivot or Sliding
- Integrates with ThermAFrame Centre Pocket and Flush Glazed Systems

Technical Specifications

Frame Dimensions	
Option 1	Width 50mm
Maximum Recommended Sizes	
Height	3000mm (hinged)
Width	1100mm (hinged)
Weight	Dependent on hardware
Sash SQMs	3
Maximum Product Performance	
SLS (Pa)	1400
ULS (Pa)	3000
Thermal Performance	
Uw range DG	2.3 - 3.0
SHGC range DG	0.22 - 0.44
Glazing Details	
Double Glazed	20 - 32mm
Acoustic Performance (Rw (C;C _{tr}))	
10.38/12/6.38mm IGU	36 (-1,-3) dB
Compatible Systems	
101.6mm Centre Pocket Thermally Broken Framing	
150mm Centre Pocket Thermally Broken Framing	
101.6mm Flush Glazed Thermally Broken Framing	
150mm Flush Glazed Thermally Broken Framing	

