

4500 Series Swing Door



THERMAL TRAFFIC DOOR

The 4500 Series door provides a premium grade traffic door for the discerning client. Utilising a unique insulated panel and robust seal system these doors are a long-proven solution for busy openings allowing free access through the door in both directions.

Crash Through

The very robust construction of these doors allows both forklift traffic and personnel to pass through in either direction at any time. Heavy duty spring mechanisms continuously reset the doors to their closed position at all times. Impact release shear pins ensure no damage to the door or surrounds if the frame is accidentally impacted by forklift traffic.

High Quality Aesthetics

The 4500 series door has attractive lightly textured flat panels in several colour choices and anodised aluminium frames. The quality look these doors provide allow application in high end retail environments and any other area requiring discreet access around busy public areas.

Ideal for use in

- Airports
- Government institutions
- Public access areas
- Supermarkets and Retail
- Food preparation areas
- Hospitality and Kitchens
- Health and Medical
- Laboratories
- Washroom and amenities
- Commercial Laundries
- Logistics Facility

Long-life

Due to the very robust panels and impact buffers operating with lubrication free nylon bearings, these doors endure harsh usage but continue to look great. No other double acting door can withstand the constant impact of heavily trafficked openings. These doors outlast any more traditional materials such as timber door leaves by as many as 5 times!

Thermal Performance

The very robust panel system is constructed from rotational moulded polyethylene outer then high-density foam filled and cured to provide exceptional thermal and noise insulation properties. Spring-loaded operation ensures only the minimum required area for traffic pass through is used, providing significant benefits in controlling the respective environments either side of the doors and ensures HVAC efficiency.

Cleanability

Every component of the 4500 series doors is easily cleanable ensuring hygiene and visual aspects are easily maintained. Furthermore, stainless steel spring systems are available which allow full wash down of the doors should this be required for safety compliance.



TECHNICAL SPECIFICATIONS

Standard Sizes	up to 2200mm H x 2000mm W (Double Leaf) up to 2200mm H x 1000mm W (Single Leaf)
Maximum Sizes	up to 2750mm H x 2460mm W (Double Leaf) up to 2750mm H x 1230mm W (Single Leaf)
Maximum Opening Angle	90°
Thermal Performance	R 1.9

STRUCTURE

Frames	Anodised aluminium
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PANELS

Material	45mm heavy duty polyethylene insulated panels, std. in Ultra-grey
Bearings	Lubrication Free Nylon
Knock Out Release	Shear Pins
Vision Panels	Double Glazed Polycarbonate Recessed

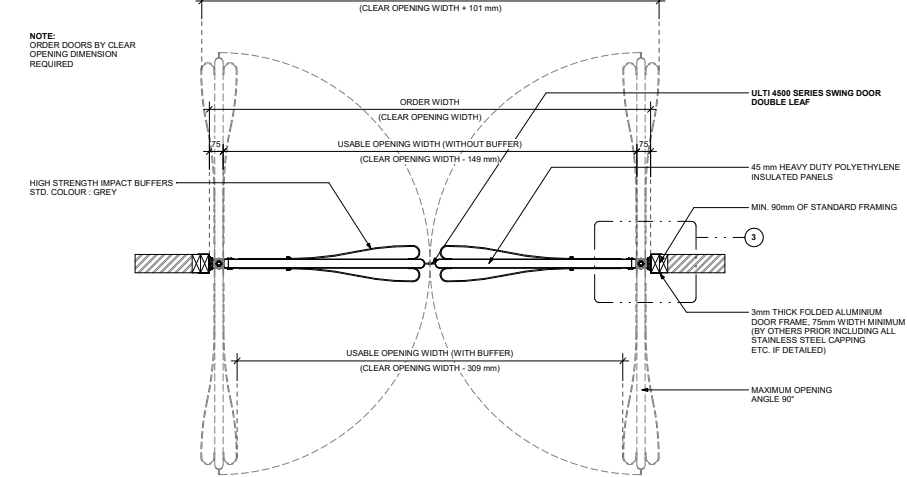
SPACE REQUIREMENTS

The minimum structural requirements for door openings are 145mm depth of standard framing. All jamb trims or flashings e.g. stainless-steel capping is to be provided by others prior.

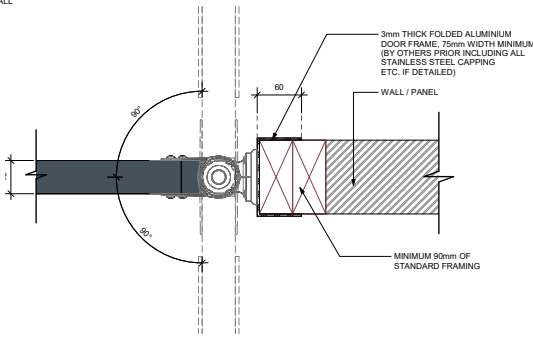
Complete door opening must be level, plumb and square.

Floor must have no incline within entire swing of door, or order to highest point of finished floor.

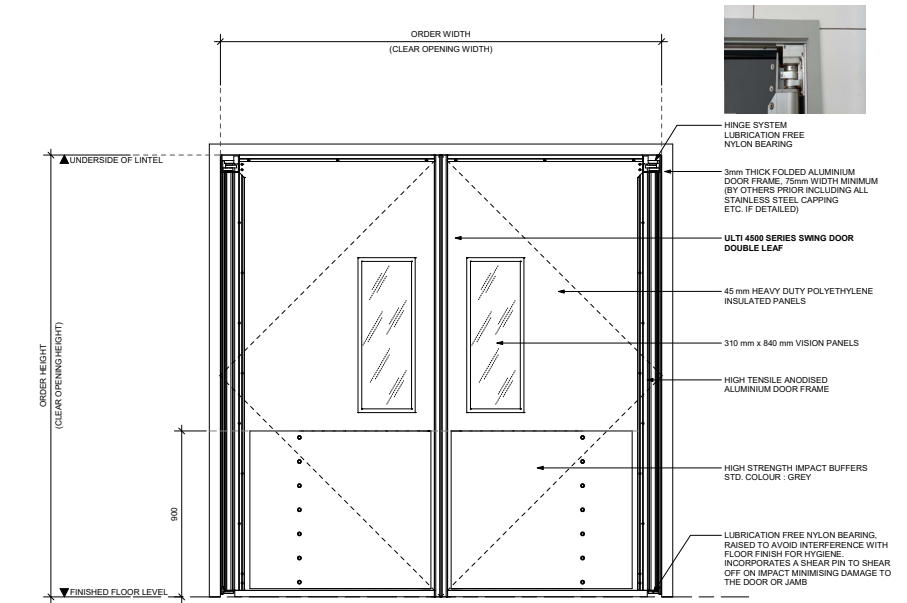
DIMENSIONS



FLOOR PLAN VIEW



ULTI TYPICAL HINGED DOOR
FRAME PREPARATION



FRONT ELEVATION VIEW

STANDARD INCLUSIONS

Finger pinch protection seals to leading edge of panels
900mm grey high strength impact buffers on both sides

WARRANTY

12 Months or 100,000 Cycles
*Std Warranty terms and conditions apply

OPTIONAL INCLUSIONS

- Alternative panel colours
- 600mm high strength impact buffers (in lieu of 900mm)
- Kick plates in place of impact buffers
- Stainless steel spring upgrade
- 4000 series aluminium frame where required for extra support (insulated panel installations)
- Additional frame pivot for opening angles over 90°
- Custom colour powder coated frames
- Push/pull handle set
- Over-size vision panels