

Thermo 60

PREMIUM INSULATED SECTIONAL DOOR



Best practice for Chilled Loadouts, this door system combines enhanced sound and thermal insulation properties, with clean, modern designed 60mm micro-profiled panels. Application options are almost limitless due to the extensive range of colours, vision options and unique hardware configurations available, and it is ideal where insulation is particularly important.

Energy Saving

Thermal Performance of this door is enhanced, given the quality PU high-density panel core complemented by robust full perimeter seals. A U-value of 1.19W/m²K ensures optimum energy management of controlled environments, whether cooled or heated.

Sound Insulation

The Thermo 60 door system is certified for world class performance. Tested by TÜV Nord, airborne sound reduction acc. to EN717-1 is 25dB which means it can be applied to any project requiring effective sound reduction.

Ideal for use in

- Warehouses
- Distribution centres
- Manufacturing facilities
- Logistics companies
- Heavy-use environments
- Industrial facilities
- Convention centres
- Airports or Military

Architectural Applications

Exterior of panels has a micro-line profiling and a polyester coating available in multiple colour selections. This can be complemented by various window sizes. Either one or more panels can be replaced with anodised aluminium profiles which allows multiple glazing options. Alternatively, vision options include extra low burglar resistant windows.

Safety Certified

Built to exceed AS/NZS standards, you can trust the Thermo 60 door system to protect your people at all times. The door hardware systems include multiple safety enhancements and have been stress tested and assessed to fully comply to EN13241-1 and are all TÜV Nord certified. Furthermore, the triple-glazed vision panels allow for optimum clear vision for enhanced safety.

Configurability

Uniquely customisable components ensure the door can be correctly adapted to optimise design and function. Multiple automation and safety systems are available including high speed operation. This flexibility ensures you receive what you need.



STANDARD COMPLIANCE

Wind Loading	Class 4	Water Permeability	Class 3
Wind Permeability	Class 2	Acoustic Performance	25dB
Thermal Transmittance	1.19 W/m ² K	Safe Openings	Yes

TECHNICAL SPECIFICATIONS

Application	Internal/External
Standard Size	3500mm H x 3000mm W
Minimum Size	1800mm H x 2000mm W
Maximum Size	6000mm H x 8000mm W
Opening Speed	Up to 200mm/sec
Closing Speed	Up to 200mm/sec

TRACK SYSTEM

Track System Material	Galvanized Steel
-----------------------	------------------

BLADE

Material	Thermo 60mm panels with micro-profile exterior
Vision Panel Colour	RAL9002 (standard)
Vision Windows	Rectangular, Triple Glazed (680mm W x 370mm H)

SPACE REQUIREMENTS

minimum clearances

Headroom	500mm
Sideroom	295mm (motor) 120mm (non-motor side)

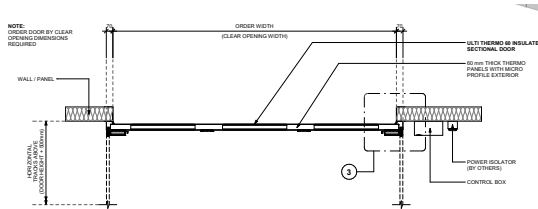
MOTORISATION

Motor	T75 Automation package: 0.37kW; Torque; 50Nm
Motor Position	RH Side
Control Panel	IP54 rated Metal Control box with inverter frequency controller – RH mounted
Power Supply	400V; 3phase +N+E; 16Amp Rated; 50Hz adjacent to control box installed to right hand side

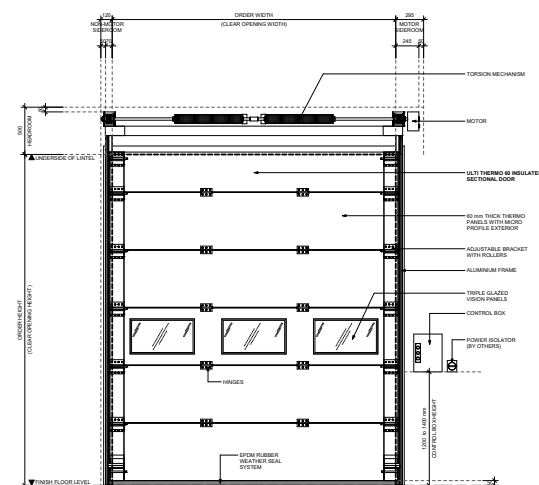
SAFETY

Opto-sensor safety edge system, Spring break safety devices	
Emergency Egress	Manual Hand Chain

DIMENSIONS



FLOOR PLAN VIEW



FRONT ELEVATION VIEW

ACTIVATIONS

Push button fitted to control box: Up-Stop-Down

WARRANTY

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

STANDARD INCLUSIONS

T450 Track System for Std. Lift
Double EPDM Rubber Door Seals at top and bottom
30,000 cycle rated Springs

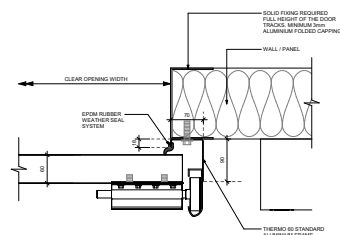
OPTIONAL FEATURES

Activations	All Ulti Activation options can be applied Exterior push buttons Interior and/or exterior key switch
Motorisation	T100 - Heavy duty automation package (recommended >20m ²) T100 Smart - Smart automation package <27m ² T100 Speed - Speed automation package <22m ² up to 600mm/sec operation
Safety	Wireless leading edge photocell 2000mm Tower Beam Safety Sensors IP67 1 set of Infrared Photocell Safety beams IP65 LED traffic lights pair (red/green) - T100 Smart required
Power Supply	240V single phase +N+E; 15Amp (isolator required adjacent to control box, by others)
Track System Colours	RAL7040
Blade Colour Exterior Only	RAL3000, RAL5003, RAL5010, RAL6009, RAL7005, RAL7012, RAL7016, RAL7021, RAL7038, RAL8014, RAL9002, RAL9005, RAL9006, RAL9007, RAL9010
Vision Windows	Aluminium frames to be colour matched to thermo panels
Alternative Vision windows within Thermo Panel	Tripled glazed, Burglar Resistant Vision windows, 610mm W OD x 145mm H OD, R45
Full Width Glazing in anodised aluminium frame (in lieu of Thermo 60 Panel)	40mm Triple glazed, Polycarbonate
Alternative Full Width Glazing	40mm Triple glazed, 2.5mm glass Triple glazing scratch resistant, 4mm safety glass on outsides, 2.5mm glass inside
Emergency Egress	UPS Battery Backup (Single Phase)
Mounting Options	LH Power Supply, LH Control Box, LH Motor, Custom Control Box Position

Alternative Track Systems (configured to available height)

Low Clearance Option	T240 Max door width 6500mm/Max door size 22m ²
High Lift	T400
Vertical lift	T500 Opening height + 600mm; Max door size 35m ²
Roof Angle Track System	1-30°
Springs	60,000 cycle rated springs and spring break safety device Springless Operation
Door Options	Integrated Wicket Door with closer/cylinder block (up to 6000mm door width) Lock status monitoring switch for security alarm (for the Wicket Door)

Matching separate personnel access door



BLOW UP PLAN DETAIL