

# 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/m<sup>2</sup>K 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.



Wind Permeability	Class 2	Water Permeability	Class 3
Wind Loading	Class 4	Acoustic Performance	25dB
Thermal Transmittance	1.19 W/m²K	Safe Openings	Yes

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 - variable
Closing Speed	Up to 200mm/sec - variable

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

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

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

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

NOTE: ORDER DOOR BY CLEAR OPENING DIMENSIONS REQUIRED

ORDER WIDTH (CLEAR OPENING WIDTH)

WALL PANEL

NEW PANEL (OPTIONAL)

ULTIMATE INSULATE SECTIONAL DOOR

50 mm THICK THERMO PANELS WITH MOJO PROFILE EXTERIOR

POWER ISOLATOR (BY OTHERS)

CONTROL BOX

3

ORDER WIDTH  
(CLEAR OPENING WIDTH)

ORDER HEIGHT  
(CLEAR OPENING HEIGHT)

FINISH FLOOR LEVEL

200  
MOTOR BRACKET  
150

200  
MOTOR BRACKET  
150

1000

SECTIONAL DOOR

TORSION MECHANISM

MOTOR

ULTI THERMO B3 INSULATED SECTIONAL DOOR

60 mm THICK THERMO PANELS WITH BRUNO PROFILE EXTERIOR

ADJUSTABLE BRACKET WITH ROLLERS

ALUMINUM FRAME

THREE GLAZED VISION PANELS

CONTROL BOX

POWER ISOLATOR (BY OTHERS)

STOP RUBBER HEAT-NEED SEAL SYSTEM

DOOR IS 1000 mm CLEAR HEIGHT TO FINISH FLOOR

Manual	Push button fitted to control box: Up-Stop-Down
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T450 Track System for Std. Lift  
Double EPDM Rubber Door Seals at top and bottom  
30,000 cycle rated Springs  
Performance rated to 100,000 cycles

12 Months or 10,000 Cycles  
\*Std Warranty terms and conditions apply

Activations	All Ulti Activation options can be applied Exterior push buttons Interior and/or exterior key switch
Motorisation	T100 - Heavy duty automation package (recommended >20m2) T100 Smart - Smart automation package <27m2 T100 Speed - Speed automation package <22m2 up to 600mm/sec operation
Mounting Options	LH Power Supply, LH Control Box, LH Motor, Custom Control Box Position
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
Alternative Track Systems (configured to available height)	
Low Clearance Option	T240 Max door width 6500mm/Max door size 22m <sup>2</sup>
High Lift	T400
Vertical lift	T500 Opening height + 600mm; Max door size 35m <sup>2</sup>
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
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
Emergency Egress	UPS Battery Backup (Single Phase)

The diagram illustrates a detailed cross-section of a door assembly, labeled as Figure 6-10. It shows two main views: a side elevation and a cross-section A-A.

- Side Elevation:** Shows the door's profile with a "CLEAR OPENING WIDTH" indicated by a double-headed arrow. The door has a "THERMO SEAL EDGE" at the bottom and a "THERMAL BREAK PANEL" in the center. A "FULL WEATHER STRIP" is shown along the top edge.
- Cross-Section A-A:** Provides a detailed view of the door's internal structure. It shows a "SOLID FURRING REQUIRED" layer, followed by a "FULL WEATHER STRIP". Below this is an "EPOXY RUBBER SEAL SYSTEM" which includes a "THERMAL BREAK PANEL". The section also shows a "THERMO SEAL EDGE" at the bottom and a "THERMAL BREAK PANEL" in the center.

Dimensions are specified throughout the drawing:

- A vertical dimension of "75 ± 2" is shown for the upper portion of the door.
- A horizontal dimension of "8" is shown for the width of the thermal break panel.
- A vertical dimension of "8" is shown for the height of the thermal break panel.