

Thermo 80

ULTRA INSULATED SECTIONAL DOOR



This door system combines excellent sound and maximum thermal insulation properties, with clean, modern designed 80mm micro-profiled panels. Thermal superiority allows application in industrial facilities including cold storage or heated process areas covering a wide variety of projects.

Energy Saving

Thermal Performance of this door is exceptional given quality PU high-density panel core complemented by robust full perimeter seals. A U-value of 0.68W/m²K ensures optimum energy management of controlled environments, whether cooled or heated.

Sound Insulation

The Thermo 80 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 80 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.

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 3	Water Permeability	Class 3
Wind Loading	Class 4	Acoustic Performance	25dB
Thermal Transmittance	0.68 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	Galvanised Steel
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Headroom	500mm
Sideroom	295mm (motor) 140mm (non-motor side)

Material	Thermo 60mm panels with micro-profile exterior
Colour	RAL9002 (standard)
Vision Panels	Rectangular, Quadruple 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: DOORSE DOOR BY CLEAR OPENING DIMENSIONS INDICATED

ORDER WIDTH
(CLEAR OPENING WIDTH)

ULT THERMO IS INSULATE SECTIONAL DOOR

25 mm THICK THERMO PANEL WITH MIMO PROFILE EXTERIOR

WALL PANEL

HORIZONTAL CONTROLLER TO WALL

1200

POWER ISOLATOR (BY CHASSIS)

CONTROL BOX

3

[illegible]

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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
Thermally insulated plastic seals between all metal surfaces
Wind and waterproof connections between panel sections
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
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Motorisation	<p>T100 - Heavy duty automation package (recommended >20m2)</p> <p>T100 Smart - Smart automation package <27m2</p> <p>T100 Speed - Speed automation package <22m2 up to 600mm/sec operation</p>
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Mounting Options	LH Power Supply, LH Control Box, LH Motor, Custom Control Box Position
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Power Supply	240V single phase +N+E; 15Amp (isolator required adjacent to control box, by others)
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Track System Colours RAL7040

Blade Colour Exterior Only	RAL7016, RAL9002, RAL9006
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Vision Windows Aluminium frames to be colour matched to thermo panels

Alternative Vision windows within Thermo Panel

Full Width Glazing in anodised aluminium frame if <6000mm W (in lieu of Thermo 80 Panel)

Alternative Full Width Glazing	Quadruple glazing scratch resistant, 4mm safety glass on outsides, 2.2mm glass inside
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Alternative Track Systems (configured to available height)

Low Clearance Option T240
Max door width 6500mm/Max door size 22m²

High Lift	T400
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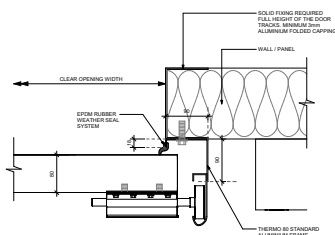
Vertical lift	T500 Opening height + 600mm; Max door size 35m²
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Roof Angle Track	1-30°
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System	
Springs	60,000 cycle rated springs and spring break safety device Springless Operation

Safety	<p>Wireless leading edge photocell</p> <p>2000mm Tower Beam Safety Sensors IP67</p> <p>1 set of Infrared Photocell Safety beams IP65</p> <p>LED traffic lights pair (red/green) - T100 Smart required</p>
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Emergency Egress	UPS Battery Backup (Single Phase)
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BLOW UP PLAN DETAIL