

Sectional door



Thermo 40

Novoferm's all-rounder

Properties

- max. B x H = 8000 x 6000 mm, max. surface area (BxH) = 48 m²
- U-value Thermo 40 mm sectional door: 5000x5000 mm: 1,05 W/m²K
- stable sections with microline profiling in 10 standard RAL colors at no extra cost
- manual or electrically operated
- wind load resistance class 3-4 according to EN 12424, or up to 12-13 Beaufort (118 - 149 km/h)
- integrated wicket door available
- EN13241-1 compliant



Thermo 40

The Thermo 40 mm sectional door is the best selling Novoferm door. The door combines excellent thermal and sound insulation properties with modern designed micro-profiled panels. The possibilities are limitless in design and content, so the door is always perfectly configured for any situation. Choose from a variety of window types, heights and widths and a variety of 10 standard Novoferm's in-house RAL colours.

Dimensions	
max. width (W)	8000 mm
max. height (H)	6000 mm
max. surface area	48 m ²
section thickness	40 mm
NovoLux-sections possible	yes
μ value at 5.000 x 5.000 mm	1,05 W/m ² K (completely shut)

Components and construction

The Thermo 40 mm sectional door consists of horizontal panels that roll on a rail system under the ceiling. Torsion springs balance the door's weight, making manual operation possible. In addition to standard lift, extra lift, vertical lift, roof slope lift and low lift is available.

Materials

- thermally insulated, galvanized steel sandwich panels, insulated with polyurethane foam (CFC-free)
- panel thickness 40 mm
- end caps in galvanized steel
- rails made of Sendzimir galvanized steel
- door fittings in galvanized steel
- rollers with nylon wheels and chromed 11 mm shaft
- steel cables with sixfold safety
- plastic handle and foot bowl in the bottom section of manually operated doors
- top, side and bottom seal of insulating material
- seal between the panels of insulating material

Surface treatment

- the exterior side of the panels has a microline profiling and a polyester-coating in RAL3000, RAL5010, RAL6009, RAL7005, RAL7016, RAL8014, RAL9002, RAL9006, RAL9007 or RAL9010. Other RAL colors available ¹⁾
- the interior side of the panels has a horizontal profiling and a polyester-coating in RAL9002. Other RAL colors available ¹⁾

Window and panel options

- various oblong window sizes available, with straight or rounded corners containing single or double insulating glazing
- extra low burglar resistant windows or attractive round windows
- one or more panels constructed of anodized aluminum profiles with double acrylic, polycarbonate or Plexiglas glazing, polycarbonate hollow-core plate or single-walled perforated aluminium plate in 2 variations

Drive

Manual control with cord or chain reel, or an electric motor with reduction gear. The control unit is available as standard with dead-man's control, pulse control or remote control.

Technical details electric drive

- power..... 400V 3 ph / N + PE / 50Hz / 16A
- degree of protection..... IP 65

Protection

- emergency hand chain hoist at operating height
- cable break protection (Optional)
- spring break protection (Optional)
- anti lift protection (Optional)
- according to EN 13241-1

Control and operation

The control system has 3 buttons (open-stop-close) and regulates a multitude of functions such as:

- adjustable open time
- service and run mode
- 7-segment display for controlling the various functions
- choice of permanently open or permanently shut

Other forms of operation that can be connected to the standard control box:

- operation by push-button, pull switch, electronic code switch, key-operated switch, photocell, radar, induction loop detection or remote control



Available control:

T100

Structural provisions and connection (by others)

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 1 m of where the motor and/or control unit will be positioned (400V 3 ph / N + PE / 50Hz / 16A, by others)

Options / accessories ¹⁾

Control and operation

- fast version (with frequency control)
- operation by push-button, pull switch, electronic code switch, key-operated switch, photocell, radar, induction loop detection remote control etc.

Protection

- leading photocell (without wiring at door)
- connection of traffic lights (red/green or red and green)
- warning flash light (orange or red)
- heavy shoot bolt with spring return
- outside locking cylinder
- electrical system complete in IP65

Construction

- integrated, outward opening wicket door with closer and cylinder lock (max. Opening width 6000 mm)
- separate 'wicket door', next to the Thermo door (custom made, with fixed panels above or next to the Thermo door)
- customer-specified RAL coating on inside and/or outside of the sections (with the exception of fluorescent and traffic colours)
- adjusted wind restriction
- 30.000 or 60.000 cycle springs

¹⁾ subject to surcharge