

# Sectional door

Insulated industrial door

40 mm thick sections

Aluminium profiles and glazing beads

Wind- and waterproof connection between the sections

Panorama 40 mm



Double Plexiglas  
Optical 20 mm thick

Plexiglas Optical  
for optimal visibility  
and scratch resistance

Safety tracks

Standard and  
Heavy-duty  
frame available



## Panorama 40

Maximum transparency, without vertical profiles

### Properties

- max. B x H = 4000 x 4500 mm, max. surface area (BxH) = 18 m<sup>2</sup>
- U-value Panorama 40 mm sectional door: 4000x4000 mm: 3,87 W/m<sup>2</sup>K
- wind load resistance class 3-4 according to EN 12424, or up to 12-13 Beaufort (118 - 149 km/h)
- no vertical window dividers results in a wide panoramic view
- high quality Plexiglas: extra strong and extra thick, hardly any distortion and looks like real glass
- manual or electrically operated
- EN13241-1 compliant

# Panorama 40 mm

The Panorama 40 mm door is an ALU door with 40 mm thick fully glazed sections. What makes the door so special is that panels **do not have vertical dividers**, providing a wide panoramic view. The high-quality Plexiglas is extra thick and extra strong, hardly distorts and it looks just like real glass. All these features result in the windows being naturally reflective and looking highly attractive.

Dimensions	
max. width (W)	4000 mm
max. height (H)	4500 mm
max. surface area	18 m <sup>2</sup>
section thickness	40 mm
μ value at 4.000 x 4.000 mm	3,87 W/m <sup>2</sup> K

## Components and construction

The Panorama 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

- door sections constructed of silver anodized aluminum profiles with Plexiglas Optical double glazing
- total panel thickness 40 mm
- rails made of Sendzimir galvanized steel
- central hinges in 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 aluminum profiles and glazing beads are clear anodized, but can be provided with a color coating as well) <sup>1)</sup>
- the windows and panels can be delivered in a variety of finishes and colors. See the brochure for all possibilities <sup>1)</sup>

## Plexiglas Optical

The Panorama doors work particularly good in buildings that are designed to be appealing, but where light and visibility are just as important. The special thing about the high-quality Plexiglas Optical is that it looks just like real glass but has the added safety of plastic. The Plexiglas Optical windows are constructed of 20 mm double glazing.

## 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..... 1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE
- powerfrequency: ..... 50 / 60Hz
- degree of protection ..... IP54

## Protection

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

## Control and operation

- control voltage:..... 24Vdc
- mains supply external devices:.....24Vdc (350mA) / 230Vac (1,6A)
- status and information display (including 6 most-recent faults)
- maintenance-cycle counter
- force monitoring in OPEN direction: sudden changes to the counterbalancing are detected. Self-learning feature and consequently no activation of force monitoring function due to, e.g., a change in spring tension
- automatic detection of direct inverter (DI) or frequency inverter (FI). Setting of output speed, soft start, soft stop, braking ramps, etc. is possible

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

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



Available controls:

TS971, TS981

## 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 control unit will be positioned (1N-230V-PE / 3-230V-PE / 3N-400V-PE / 3-400V-PE by others)
- with standard CEE-plug, the control box is IP54 compliant

## Options / accessories <sup>1)</sup>

### Control and operation

- fast version (with frequency control)
- additional controls as described above available at surcharge
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)

### Protection

- leading photocell (without wiring at door)
- cable break protection
- anti lift protection
- 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

### Construction

- integrated, outward opening wicket door with closer and cylinder lock (max. Opening width 6000 mm)
- separate 'wicket door', next to the Panorama 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

<sup>1)</sup> subject to surcharge

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For more information contact:



73 Gladstone Street, Kirkby-in-Ashfield  
Nottinghamshire NG17 7HS

☎ 07976 591906

✉ [steve@pearsonindustrialdoors.co.uk](mailto:steve@pearsonindustrialdoors.co.uk)

🌐 [pearsonindustrialdoors.co.uk](http://pearsonindustrialdoors.co.uk)

