



High Speed Doors



INTERDOOR
SPECIALIST INDUSTRIAL DOORS

STRONG OUTDOOR
High Speed Doors

- Maximum w x h: 6000mm x 6000mm
- Max Opening Speed: 1.5 m/s
- Max Closing Speed: 0.5 m/s
- Wind Resistance: Up to 12 Beaufort
- Door Curtain Thickness: 1.2mm (max)
- Door Curtain: Permanent tension even in strong winds
- EN13241 compliant

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STRONG OUTDOOR

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The **Tornado® Strong Outdoor** Door is Interdoor's primary high-speed door for external openings. Proven technology guarantees years of trouble-free operation. All aspects of the door are robustly designed and well-engineered for everyday use and enables energy saving, draught exclusion and climate control within the building.

Dimensions	
max. width (W)	6000 mm
max. height (H)	6000 mm
max. wind force	12 Beaufort (wind class 12)
required lateral space at the guides	175 / 200 mm
required lateral space at slip on drive	345 / 360 mm
required lateral space at drive for fitting	545 / 560 mm
lateral space at side guide profiles	145 mm
required space above	650 / 700 mm

Components and Construction

The **Tornado® Strong Outdoor** is an electronically operated high-speed door with a permanent door curtain tensioning system. The curtain is rolled up on a roller above the opening. The door curtain is made of horizontal sections of extremely durable polyester-reinforced PVC. The sections are fitted with aluminium reinforcement profiles with integrated Endlocks and can be equipped with a viewing section of between 1,000 and 2,000mm in height. The bottom of the door curtain has a solid *HardEdge* bottom beam; however, a flexible *FlexEdge* bottom beam is available as an option. U-shaped columns with side seals ensure lateral guidance of the door curtain. The lateral guides are on unit combined with the bearing plates for secure fastening to the roller and drive.

Materials

The door columns are made of a solid steel skeleton surrounded by sendzimir galvanized steel profiles. The front covers are removable for fast and simple installation and maintenance. Unique side seals are made of highly wear resistant plastic. The horizontal roller is aluminium. The *HardEdge* bottom beam is aluminium. The door curtain is 0.7mm thick PVC with a polyester reinforcement inlay which can be increased to 1.2mm if the wind resistance requirements demand.

Colours

The door curtain is available in blue, black, white, grey, graphite grey, red, orange or yellow and can be fitted with transparent windows as an extra option.

Drive

The drive consists of an electrical motor with reduction unit. The roller is directly driven. Drive side available left or right (standard).

Technical Details of electric motor:

Mains Voltage:	3N~400V/50Hz/16AT
Degree of Protection:	IP65
Consumed Power:	max. 3kW

Protection

- The door can be manually opened in the case of power loss
- Light curtain up to 2,500mm high
- Electric motor with reduction unit and optional roll-off safety

Structural provisions and connection

- A flat mounting frame and the necessary mounting space must be available
- Exact installation dimensions in the Technical Datasheet
- Within 500mm radius of where the control unit will be positioned, mains voltage must be available for electrical connection
- The control box is usually fitted at a height of approx. 1,500mm from the floor on the drive side
- With a standard CEE plug, the control box is IP54 compliant

Control and operation

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

- adjustable open time (1 – 240 seconds)
- service and run mode
- 7-segment display for control of the various functions
- Permanently open or permanently shut

Additional controls that can be connected to the standard control box are:

- push-button, pull switch, key-operated switch, photocell, radar, induction loop detection or radio control .

Optional Extras*

Control and operation

- additional controls as described above
- door interlock control in combination with another door

Protection

- connection of traffic lights (red/green or red and green)
- warning light (orange or red)

Construction

- Window sections made of transparent plastic
- 600 x 600 mosquito netting windows
- PVC, metal or stainless steel hood
- hood and PVC cover in customer specified RAL colour

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