



## **INTERDOOR**

SPECIALIST INDUSTRIAL DOORS

***Self-Repairing  
High Speed Doors***

- Minimum w x h: 4000mm x 4000mm
- Max Opening Speed: 2 m/s – 2.5 m/s
- Max Closing Speed: 0.5 m/s
- Wind Resistance: Class 3 (118 – 149 km/h)
- Usage: High Use
- Regulations: EN13241 Compliant

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### “ZIP” SELF-REPAIRING

The **Tornado® Zip** High Speed Door is the ideal solution for fast and frequently used passages. The self-repairing operation reduces interruptions and guarantees a minimal delay in down time.

With an opening speed of between 2m/s and 2.5m/s the **Tornado® Zip** is not just one of the fastest doors of its kind, it also opens and closes in near silence, making the **Tornado® Retail** perfect for energy saving, draught exclusion and climate control.

Dimensions	
max. width (W)	4000 mm
max. height (H)	4000 mm
max. wind force	12 Beaufort
required lateral space at the guides	110 mm
required lateral space at slip on drive	310/610 mm
required space above door opening	500 mm
required depth for mounting top hood	650/700 mm
depth of top hood	340/370 mm

#### Components and Construction

The **Tornado® Zip** has a 900 gr/m<sup>2</sup>, class M2 door curtain made of polyester-reinforced synthetic material, with a flexible rubber sealing profile at the bottom. The steel columns with a “zipper” closure ensure the guidance of the door curtain. These form one taut unit with the top brackets for the fastening of the roller and protective hood.

#### Materials

The guides and roller are made of galvanised steel. The PVC curtain has a polyester reinforcement inlay. The bottom beam is made of PVC. The protective hood is available in galvanised steel with a powder coating or is also available in stainless steel. To meet Interdoor’s environmental policies, all PVC parts of the **Tornado® Zip** can be recycled.

#### Colours

The door curtain is available in 9 colours and can be supplied with optional transparent windows. The steel guides and top cover can be supplied with in RAL colour but come in white (RAL 9016) or grey (RAL 7011) as standard.

#### Drive

The drive consists of an electric motor with reduction unit, mounted at the side of the roller. The drive unit can be mounted on the left or the right side.

#### Mains Voltage with

frequency control: LNPE~230V/50Hz/16AT  
 Degree of Protection: IP65  
 Consumed Power: max.1,5kW

#### Protection

- safety light curtain (IP65 and to max. height 2500mm)
- mechanical emergency unlocking

#### Structural provisions and connection

- a flat mounting frame and the necessary mounting space must be available
- exact installation dimensions can be provided on request
- within a radius of 500mm of where the control unit with frequency control there must be a wall socket:
  - CEE form blue, 1 x 230V fused, slow operation 16A fitted with a circuit breaker of at least 300 mA
- the control box is usually fitted on the drive side at a height of approx. 1500mm from the floor
- with 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 opentime or ‘Dead man control’
- LED display for control of functions
- choice of permanently open or permanently shut
- service and run mode

#### 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 by radio control

#### Optional Extras

##### Control and operation

- additional controls as described above available at surcharge
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)
- door interlock control in combination with another door

##### Protection

- connection of traffic lights (red/green or red and green)
- orange flashing light
- steel bumpers to prevent damage to the guide columns

##### Construction

- thick 1050 gr/m<sup>2</sup> white door curtain for cleanroom applications
- 1000 x 500 mm wide 1 window, up from 2500 mm wide 2 windows (depending on the configuration)
- Guide columns in choice of colours (powder coated)

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