



High Speed Doors



INTERDOOR
SPECIALIST INDUSTRIAL DOORS

***High Speed Doors
for the Retail Sector***

- Minimum w x h: 700mm x 2000mm
- Maximum w x h: 2250mm x 2600mm
- Max Opening Speed: 2 m/s – 2.5 m/s
- Max Closing Speed: 0.5 m/s
- Wind Resistance: Class 1 (75 – 88 km/h)
- Door Curtain Thickness: 0.7mm – 1mm
- Regulations: EN13241 Compliant

315 Ideal Business Park, National Avenue, Hull, HU5 4JB

E: service@interdoor.uk

T: 01482 247 375

W: www.interdoor.uk

RETAIL

The **Tornado® Retail** High Speed Door has been specifically designed for the retail sector and puts a real finishing touch to a successful in-store presentation.

With an opening speed of between 2m/s and 2.5m/s the **Tornado® Retail** 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, climate control and the partitioning of rooms.

Dimensions	
max. width (W)	2250 mm
max. height (H)	2600 mm
max. wind force	3 Beaufort
required lateral space at the guides	170 mm
required lateral space at slip on drive	260/385 mm
required space above door opening	455 mm
required depth for mounting top hood	650 mm

Components and Construction

The **Tornado® Retail** has a door leaf made of polyester reinforced synthetic material and comes with a thickness of between 0.7mm and 1.0mm. The closing side of the door curtain consists of a flexible rubber sealing profile. The steel columns with brush seals ensure the guidance of the door leaf. These form one taut unit with the brackets for fastening of the roller and protective hood.

Materials

The guides are made of galvanised steel. The roller is made of aluminium. The protective hood is synthetic. To meet Interdoor's environmental policies, all parts of the **Tornado® Retail** can be recycled.

Colours

The door curtain is available in blue, red, orange, yellow, black, grey or white. The door curtain can be optionally supplied with windows or the door curtain can be printed with a picture or logo. We find that this really adds the finishing touch to your store!

Drive

The drive consists of an industrial slip on drive with built in frequency control as standard, mounted on the right side of the roller.

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

Protection

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

Structural provisions and connection

- In normal circumstances no special structural provisions are required for the assembly and fitting of the **Tornado® Retail** door. This self-supporting construction must only be fixed at the floor and at the roller.
- There must be a wall socket within a radius of 500mm of where the control box will be positioned. As standard the wall socket is fitted at a height of approx. 1500 mm from the floor on the drive side. The electrical connection must be a CEE form blue socket, 1x230V fused, slow operation 16A and fitted with a circuit breaker of at least 300 mA.
- With a standard CEE-plug, the control box is IP54 compliant.

Control and operation

The control system regulates a multitude of functions such as:

- adjustable open time
- continuously variable speed regulation by frequency control, for opening and closing the door
- 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 pull switch, key-operated switch, push-button, photocell, radar, induction loop detection or by radio control with transmitter and receiver

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) or orange flashing light
- mechanical emergency unlocking on both sides of the door (after unlocking the door opens)
- steel bumpers to prevent damage to the guide columns

Construction

- Optionally available with hard bottom beam
- Guide columns in choice of colours (powder coated)
- Full colour printing of the door curtain (on request)

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