

# High Speed door Novo Speed Twin

Industrial interior door to 25 m<sup>2</sup>, wind resistant to 5 Beaufort



## Properties

- max. surface area (WxH) = 25 m<sup>2</sup>
- max. W x H = 5000 x 5000 mm
- wind resistant to 5 Beaufort
- opens at max. 3 m/sec.
- 1.5 mm thick door curtain in blue, orange, yellow, red and grey, including transparent vision section
- self-supporting lateral guides
- anti-crash system with hinging folding elements



If there is a collision the door leaves open sideways



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The Novoferm Novo Speed Twin is a laterally opening electrically driven rapid roller door for use in industry and utility building. It can be used for energy saving, draught exclusion, climate control and the partitioning of rooms.

## Components and construction

The Novo Speed Twin has two door leaves of 1.5 mm thick PVC that with the opening of the door are laterally wound up in self-supporting vertical columns on both sides of the clear opening. Above the clear opening there is a horizontal beam on which the drive rollers, guide profile and runners are mounted. The door panels have no hinges or other joints that can make a noise when rolling up. The closing edge of both door leaves consist of an extruded aluminium tube with rubber sealing profile.

## Materials

The construction parts of the door including the guides, roller and runner are hot dip galvanised steel. The door curtain is 1.5 mm thick and made of polyester-reinforced PVC with a transparent PVC vision section (70% of the door surface). The profile in which the guide runners run is anodized aluminium.

## Colours

The PVC door curtain is available in the colours blue, orange, yellow, red and grey and is provided with a transparent vision section. The guides are hot dip galvanised.

## Drive

Both door leaves are opened and closed by a toothed drive belt driven by an industrial motor with frequency control. The side of the motor is left or right as required (right is standard).

## 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
- LED display on the front of the control box for control of the various functions and the display of error codes
- choice of permanently open or permanently shut

### Forms of operation that can be connected to the standard drive are:

- operation by pull switch, key-operated switch, push-button, photocell, radar, induction loop detection or by radio control with transmitter and receiver.

## Dimensions

- max. clear width (W) .....5000 mm
- max. clear height (H).....5000 mm
- max. surface area (W x H) .....25 m<sup>2</sup>
- max. wind pressure .....5 Beaufort
- side room guides .....335 mm
- side room not driven side .....335 mm
- side room drive side .....335 mm
- head room .....231 mm
- head room depth .....720 mm

## Performance

- opening speed .....max. 3 m/s
- closing speed .....approx. 0.50 m/s

## Protection

- in the case of a collision both door leaves laterally fold open and the door stops automatically. After the door leaves have been (manually) folded to their original position the door is operational again (after a reset)
- as standard a safety photocell is provided 250 mm from the floor in the clear opening. If the beam is broken the door stops then fully opens
- the rubber profile on the closing edge of both door leaves is fitted with built-in, self-testing electronic safety edge. When operated the door stops then fully opens.

## Structural provisions and connection

- in normal circumstances no special structural provisions are required for the assembly and fitting of a Novo Speed Twin. The self-supporting construction must only be fixed at the floor and at the top.
- there must be a wall socket within a radius of 500 mm of where the control box will be positioned for the electrical connection (CEE form blue, 1 x 230V fused, slow operation 16 A and fitted with an circuit-breaker of at least 300 mA). As standard this is fitted at a height of approx. 1500 mm from the floor on the drive side.
- the clear opening in which the door is assembled is not available during assembly!

## Technical details electric motor

- mains voltage .....LNPE~230V/50Hz/16AT
- degree of protection .....IP54
- consumed power .....max. 4 kW.

## Extras (subject to surcharge)

### Control and operation

- operation by push-buttons, pull switches, photocell, radar, induction loop or by radio control. Other forms of operation on request
- door interlock control in combination with another door

### Protection

- with a power loss the door can be manually moved
- photocell light curtain.

### Construction

- vertical and horizontal protective covers in customer-specified RAL colour
- transparent vision section measuring 30% of the door surface
- no vision section.



Design with 30% transparent surface.