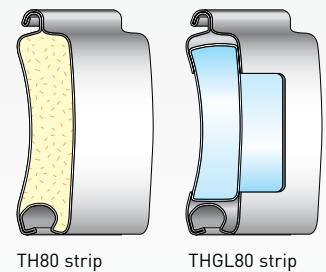


double-walled
aluminium strips,
with PUR core

protection with active
light curtain photocells
(optional)

window sections
(optional)

rubber bottom profile with
self-testing bottom safety edge



TH80 strip

THGL80 strip

ALU R

An attractive addition to your building

Properties

- suitable for large door sizes up to 25 m², max. W x H = 5000 x 5000 mm
- wind load resistance class 2 according to EN 12424, or up to 10 Beaufort (89 - 102 km/h)
- insulated strips of E6 / EV1 anodized aluminum, also with glazing
- very solid construction with easily accessible, proven technology
- this results in a high speed of up to 1 m/s, combined with low maintenance costs
- suitable for approx. 45 cycles per hour
- EN13241-1 compliant

NovoSpeed **ALU R**

The Alu High Speed is a functional and reliable door with uses in industry and public utilities. The door is suitable for large door dimensions with a choice of various operating mechanisms. As standard the Alu High Speed is supplied with insulated strips of 80 mm tall.

Dimensions	
max. width (W)	5000 mm
max. height (H)	5000 mm
max. surface area	25 m ²
max. wind force	Class 2
lateral space drive side	300 mm
lateral space non drive side	170 mm
head room	780 mm
fitted depth	850 mm

Advantages

- solid frame construction
- class 2 resistance to wind pressure
- by using a drive with frequency control the door opens smoothly and the time in the open position is reduced to a minimum
- low maintenance costs through simple technology and an easily accessible construction
- strips with window sections available ¹⁾
- strips are easy to replace
- safe through the use of a closing edge protection system
- available in 5 standard colours or any RAL color of choice ¹⁾
- safe operation thanks to self testing safety edge protection

Components and construction

The Alu High Speed is made of horizontal strips that are joined to allow water to run-off. Lateral end pieces with wind locks prevent the slats from moving in relation to each other. Elastic bands run over the door leaf in order to keep the strips scratch-free and to reduce noise. Above the clear width the door leaf is wound up on a steel winding tube. This tube sits on 2 movable consoles with bearing seats.

Materials

- the horizontal strips have an outer and inner shell made of anodised aluminium, with a clear coating as standard
- the strips have a CFC-Free polyurethane (PUR) core
- the steel lateral guides and consoles are galvanised
- the winding roller is finished with a primer

Colour

- The door curtain is available in a factory colour coating of RAL 7016, RAL 9002, RAL 9006, RAL 9007 or RAL 9010 on the strips
- door curtain is also available in customer-specified RAL coating (with the exception of fluorescent and traffic colours)

Performance	
max. opening speed	1 m/s
max. closing speed	0,5 m/s

Drive

The Alu High Speed roller shutter is equipped with an electric slip-on drive and a control box with frequency control as standard. The drive has emergency operation using a crank.

Technical details electric drive

- power..... 400V 3 ph / N + PE / 50Hz / 16A
- degree of protection..... IP 65

Protection

- the door can be manually opened in the case of a power loss
- the electric drive has a roll-off safety that keeps the door leaf in place in the case of defects with the drive or transmission
- a self-testing safety edge comes as standard. The door stops and immediately opens as it hits an obstacle when closing. This protection is not sensitive to moisture

Structural provisions and connection (by others)

- a flat assembly frame and required fitting space must be available
- see the Technical Datasheet for the exact required fitting space
- the control box is usually fitted on the drive side, at a height of approx. 1500 mm from the floor
- a wall socket must be available within a radius of 500 mm of where the control unit will be positioned (CEE-form red, 400V 3 ph / N + PE / 50Hz / slow operation 16A)
- with 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 push-button, pull switch, key-operated switch, photocell, radar, induction loop detection or by (multichannel) remote control



Available control: TS971, TS981

Options ¹⁾

- additional controls as described above available at surcharge
- control box directly wired (control box IP65)
- main switch directly wired on the control box (IP65)
- strips with PVC windows
- strips available in customer-specified RAL coating (with the exception of fluorescent and traffic colours)
- red/green signal lights for driving in and out

¹⁾ subject to surcharge