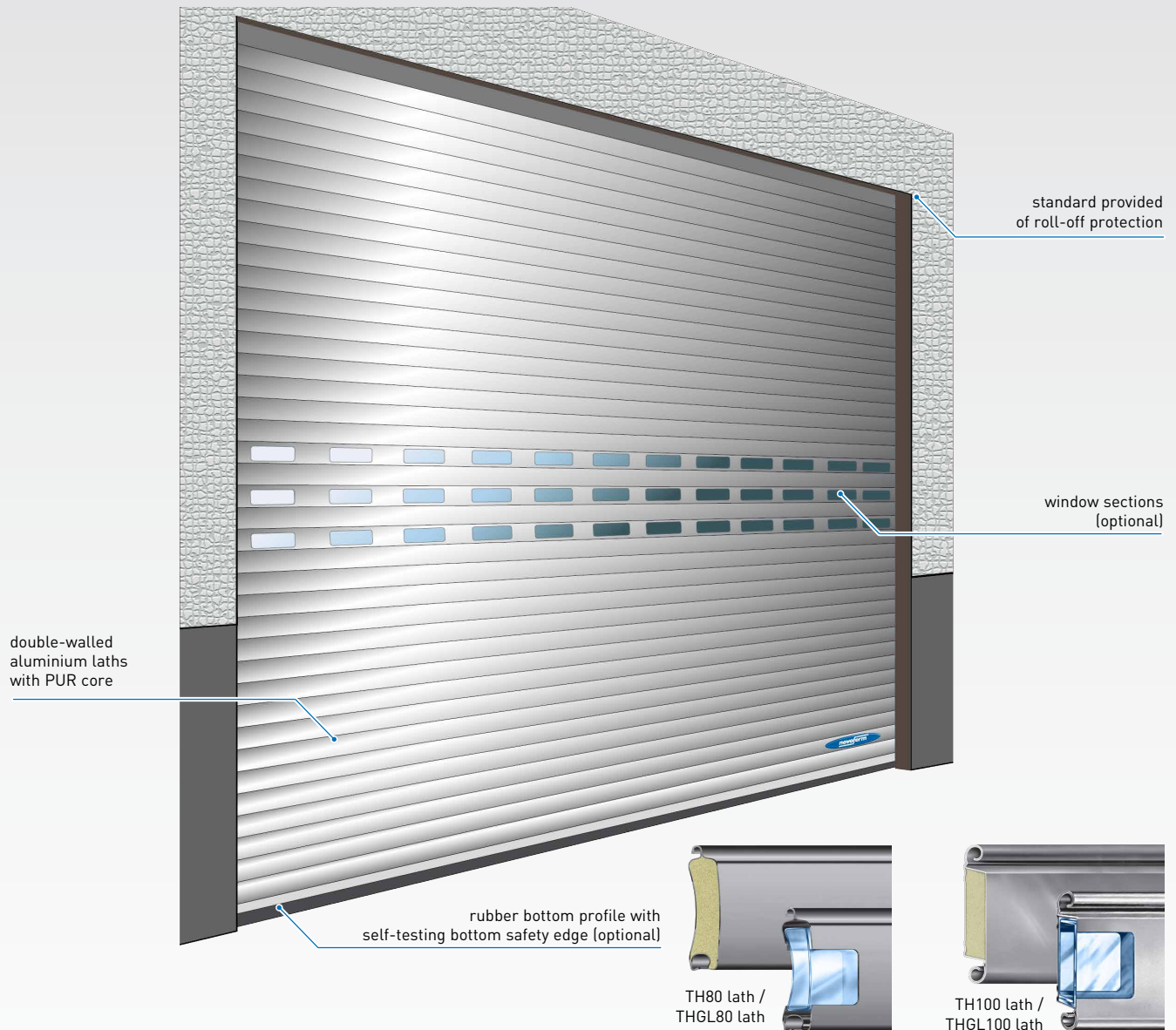


Aluminium Rolling shutter



Aluminium Rolling shutter

An attractive addition to your building

Properties

- suitable for large door sizes up to (B x H) (TH80 = 40 m²) (TH100 = 64 m²)
- max. width (W) (TH80 = 5000 mm) (TH100 = 8000 mm), max. height (H) (TH80 = 8000 mm) (TH100 = 8000 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
- EN13241-1 compliant



Aluminium Rolling shutter

Novoferm's rolling shutter 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 rolling door is supplied with insulated laths of 80 or 100 mm tall.

Dimensions	TH80	TH100
max. width	5000 mm	8000 mm
max. height	8000 mm	8000 mm
max. surface area	40 m ²	64 m ²
max. wind force	Class 2	Class 2
strip height	80 mm	100 mm
strip thickness	20 mm	23 mm

Advantages

- solid frame construction
- class 2 resistance to wind pressure
- low maintenance costs through simple technology and an easily accessible construction
- strips with window sections available ¹⁾
- strips are easy to replace
- 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 Aluminium Roller shutter 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. At a TH 80 with a height of 5000 mm sits the tube 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 ¹⁾ (with the exception of fluorescent and traffic colours)

Drive

The Aluminium roller shutter is equipped with an electric slip-on drive. 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

Performance	
max. opening speed	0,2 m/s
max. closing speed	0,2 m/s

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

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
- 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⁾

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)

Protection

- red/green signal lights for driving in and out
- warning light (orange or red)
- a self-testing safety edge. The door stops and immediately opens as it hits an obstacle when closing.

Construction

- strips with PVC windows
- strips available in customer-specified RAL coating (with the exception of fluorescent and traffic colours)

¹⁾ subject to surcharge