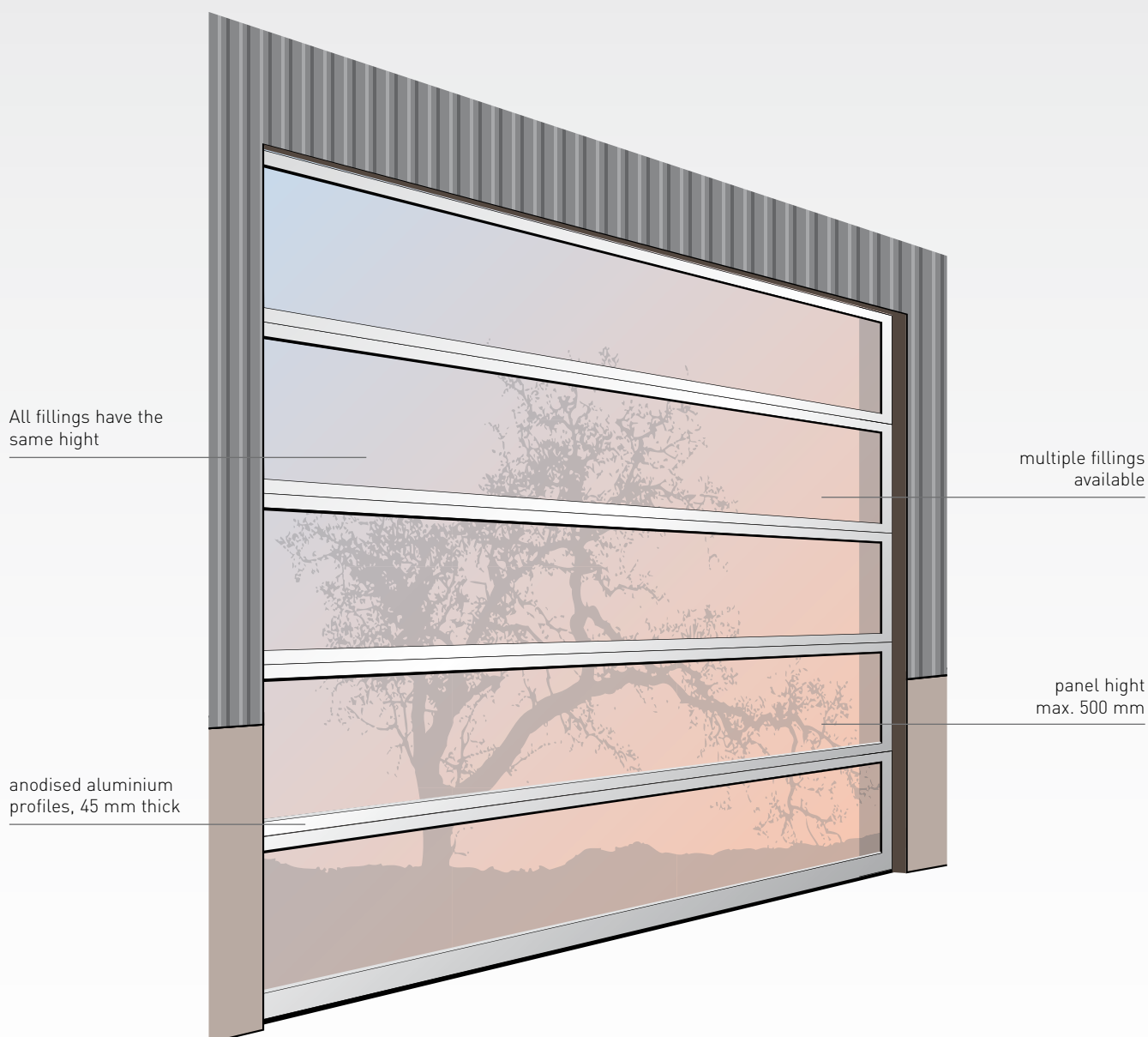


Novolux XL

Industrial door with maximum light ingress



Features

- robust and stable panel design
- finger pinch protection
- superior quality door hardware
- optimum safety
satisfies EN13241-1

Novoferm insulated sectional overhead door type Novolux XL is fully glazed for maximum natural light ingress. Available as manual or electric operation. These doors are suitable for use in private, industrial and retail applications. There is a choice of specifications, colour finishes, operators and installation arrangements (track systems).

Components and construction

Novoferm's sectional overhead door Novolux XL is made of fully glazed sections. As the door opens, the sections slide back under the roof. Torsion springs, cable drums and steel cables balance the door's weight, making manual operation possible. In addition to the standard lift track system, high lift, vertical lift, roof angle and low headroom track systems are also available.

Materials

- all sections are anodised aluminium frame sections, fitted with SAN-glazing; other types of infill materials are also available (see glazed sections)
- panel height is max. 500 mm
- 2 mm thick steel tracks, Sendzimir-galvanised
- galvanised steel door hardware
- door hardware mounted using galvanised, self tapping screws with integral, knurled lock-washers
- rollers with nylon wheels and chrome plated, 11 mm steel shaft
- steel cables with a safety factor of 6
- EPDM top, side and floor seals
- EPDM seals between the panels

Dimensions

- maximum door width 4000 mm
- maximum door height 5000 mm
- maximum door surface area 20 m²
- minimum door width 1000 mm

Glazed sections

- double SAN-glazing.....thickness 25 mm (acrylic also available in pearl-, water- en opal)
- double protect-glazingthickness 25 mm (SAN-glazing + polycarbonate)
- single safety glassthickness 4 mm (also in brown, blue or green)
- double coloured (plastic) glazing (green/grey/brown).....thickness 25 mm
- triple polycarbonate glazingthickness 25 mm
- other fillings available on request

Motor

Electric operation is offered in addition to manual operation by pull cord or hand chain assembly. The control box is integral to the motor unit.

Operators

- manual operation by pull cord or hand chain assembly
- in the case of an electric motor : push-buttons (open-stop-close), impulse operation, including a self-testing bottom safety edge
- push-buttons (open-stop-close) in 'deadman' operation without a bottom safety edge

Safety features

- emergency chain and disconnection at low level
- cable break safety device
- spring break safety device
- security against lifting
- finger pinch protection
- safety features as required by EN13241-1

Structural requirements and connection

- separate technical data sheets detailing dimensional and structural requirements are available for all designs and track systems
- if an electric motor is specified, a CEE plug socket must be installed within 1 m of where the drive and/or control unit will be positioned (by others)

Technical details (if an electric drive is fitted)

- electrical supply3-NPE/ 400V/ 50Hz/ 16A230V/ 50Hz/ 16A
- IP rating..... IP55
- design with spring package max. 450 Watt

Options / accessories

- bottom section with a PUR foam insulated (free of FCKW) galvanised steel sandwich panel with finger pinch protection
- other track systems are possible
- stainless fittings (food-safe applications)
- door-frame (interior and/or exterior face) in a colour of the customer's choice (to RAL specifications)
- spring loaded shoot bolt *
- lock out with cylinder lock *
- snapper (anti lift device for manually operated doors)
- separate "wicket door" next to sectional door, with fixed panels above or next to door (custom made)
- other operational activation is possible (by radar, pull switch, photocell, key-switch, remote-control, induction, PLC, infra-red)
- control box in IP65
- fast, springless design (with frequency control)
- build-in ventilation grille *
- linked with traffic lights (red, green, red/green, orange, orange flashing light)
- upgraded duty cycle for intensive use
- other wind resistance
- 25.000 or 100.000 spring cycles
- motor with emergency-disengage for fast manual opening

* only in combination with Thermo panels

Inspection

