

## Tender specification text

**Product:** Aluminium folding door  
**Type:** AL601F 2.0 hand operated/power operated  
**Manufacturer:** LINDPOINTNER  
**Technical design in accordance with the applicable standards and regulations for the protection of employees.**  
**Data given in the description are minimum requirements.**

### Area of application:

Door for industry and workshops. An accurately designed door for every requirement. A solid folding door contains virtually no wear parts so there are minimal maintenance and servicing costs. After professional installation, no initial technical acceptance by a civil engineer or TÜV is necessary for a manually operated door

Cycles per day: approx. 50

#### **Air tightness (EN12426):**

Class 1-3 with a door size of 5200x5600 mm (WxH)

#### **Resistance to wind load (EN 12424):**

Class 2-3 with a door size of 5200x5600 mm (WxH)

#### **U value**

approx. 3 W/m<sup>2</sup>K (depending on the door infill)

### General design:

Aluminium folding door with frame-lattice design. Door leaf comprising bolted extruded hard-aluminium profiles. Construction depth min. 60 mm, profile depth min. 87 mm infill with dual-wall construction elements (panels or glass).

Running rail produced from extruded aluminium profile with downward opening, 5 mm wall thickness, dimensions approx. 100x108 mm; 4.2 kg/m with integrated seal carrier and continuous sealing lip. Suspension of the door leaves by vertically guided roller units. Roller diameter 32 mm. Dust-proof, maintenance-free ball bearings.

Hinges 120 mm high, bolted to the frame by means of steel clamping plates (adjustable and exchangeable) with 16 mm stainless steel bolts and a dust-sealed thrust bearing between the hinges.

Fixing of the panels with aluminium holding strips inside (CO anodised) which are fixed in a groove provided on the frame by means of a rubber seal.

Internal espagnolette bolt mechanism and concealed locking bars made of hot-dip galvanised steel.  
Operation via robust cast steel loop lever and additional handle.

**Frame:**

Wall thickness of the profiles at least 2 mm aluminium.  
Profiles are connected to a frame element by means of dual M8 screw connections (no welded joints). The frame profiles are fixed with pressed-in aluminium parts (no connections with screw channels and self-tapping screws).

Sealing and finger trap protection between the leaves with 40 mm leaf spacing made of EPDM material (PVC not permitted).

**Infill:**

Standard division up to 3200 mm 1 panel/leaf.

Double-walled, insulated sandwich panel. Consisting of 1 mm hot-dip galvanised sheet steel on the outside and inside, fully bonded with 40 mm hard foam polystyrene (total thickness 42mm).

Glazing with insulating hard glass (safety glass) H4/16/H4 with a U-value of 1.1 W/m<sup>2</sup>K.

Dry glazing (without silicone) inside with aluminium retaining strips A6/C0 anodised with EPDM clamping rubber (different glass infills are possible on request).

Max. 1 m<sup>2</sup> glass panels.

**Surface:**

Standard: A6/C0 anodised

Optional: Powder-coated in façade quality RAL standard colour of your choice, optionally matt or glossy

Anodising: = anodic oxidation of aluminium. In this electrochemical process, the natural oxide layer of the aluminium is reinforced and the metallic character is retained. Frame, filling and pole profile can be coated in different colours without extra charge.

6 years warranty on the surface with appropriate care.

Powder coating: Here, after appropriate pre-treatment, an organic powder coating with an average thickness of 65 µm is applied. The coating is cured in a drying oven.

**Frame:**

Lateral frame profile produced from an extruded aluminium profile (40 x 75; 2kg/m).

The frame profile is attached to the running rail profile with a bolted connection.

A mounting bracket is bolted and guided flexibly into a groove to allow it to be adapted to the local conditions.

Floor stop by means of floor bracket 50/50/5 mm hot-dip galvanised incl. claws.

**Mounting:**

Complete mechanical assembly incl. possibly required hoists or crane.  
Including sealing to the mounting surface by means of compriband but without connection sheeting or jointing.  
Including installation of suitable leaf retainers between the leaves.

**Size:**

Mounting in front/in/behind the reveal:

Outer frame height (max. 10.4 m): .....mm

Outer frame height (max. 4.8 m): .....mm

Leaf total (max. leaf width 1300 mm): .....mm

Leaf arrangement: ..... + .....

Fields per leaf: .....

Number of fields with panel infill: .....

Outer panels: A6/C0 anodised

Inner panels: A6/C0 anodised

Number of fields with glazing: .....

Frame transom profiles: .....

Running rail: 90° opening

Ground detail: Ground bracket 50/50/5 galvanised

Special version:

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Labour EUR.....

Miscellaneous EUR.....

ST Unit price EUR.....

EUR.....

**Pedestrian doors in the folding door leaf:**

Pedestrian door built into folding door  
Profiles of the door as for the folding door  
Ground sill profile max. 40 mm  
Door closer Dorma TS 92 with opening limiter  
Handle/flat lever handle made of anodised aluminium  
Panic lock pusher/pusher, function B

Labour EUR.....

Miscellaneous	<u>EUR.....</u>	
ST unit price	EUR.....	EUR.....

**Special stainless steel version**

(washing boxes, sewage treatment plants, salt storage):  
 Drives, locking bars, screw connections,  
 Mounting bracket and base profile in stainless steel V4A

Labour	EUR.....	
Miscellaneous	<u>EUR.....</u>	
ST unit price	EUR.....	EUR.....

**FALT-BASIC electric drive:**

Electromechanical drive with gear motors on the door leaf  
 24 Volt motor with self-locking die-cast aluminium gear with permanent grease lubrication. Mounted on a strong mounting plate and fastened to the folding door frame with clamping plates. Motor cover made of an extruded aluminium profile A6/CO anodised.  
 Operator release with cable pull on the inside of the door leaf can be operated from the floor.  
 Self-retaining control with safety strips on the main closing edges Light barrier transmitter/receiver.  
 Infinitely adjustable force cut-off for normal and soft run.  
 Flashing light with integrated flasher electronics.  
 Adjustable leaf deceleration.  
 Adjustable running speed and adjustable soft stop in the end positions.  
 Automatic closing when a red traffic light is installed is possible.  
 Operating voltage 230 V  
 Protection class IP54  
 Suitable for leaf separations 2+2, 2+1, 1+2, 2+4, 4+2.  
 Door opening time approx. 15 -25 seconds

Including cabling at the gate and commissioning.  
 Electrical main connection on site.  
 Incl. initial technical acceptance by civil engineer and defect-free inspection book.

Labour	EUR.....	
Miscellaneous	<u>EUR.....</u>	
ST unit price	EUR.....	EUR.....

**Automatic closure surcharge:**

Automatic closing freely adjustable  
2 pcs. red traffic lights with LED luminaries for inside  
and outside incl. cabling

Labour	EUR.....	
Miscellaneous	<u>EUR.....</u>	
ST unit price	EUR.....	EUR.....

**Radio board:**

Labour	EUR.....	
Miscellaneous	<u>EUR.....</u>	
ST unit price	EUR.....	EUR.....

**Handheld transmitter:**

Handheld transmitter 4 channel

Labour	EUR.....	
Miscellaneous	<u>EUR.....</u>	
ST unit price	EUR.....	EUR.....