



Installation instructions of roller  
shutters rolled up in the system:  
BUILT IN Type SP  
BUILT IN type SP with  
MOSQUITONET



**ALUPROF**

## General recommendations

The roller shutter may only be installed by a trained installation team. The applicable occupational health and safety regulations must be observed, in particular those concerning safe work with electrical equipment and working at heights.

### The following should be used for mounting:

- a) If the mounting is made on a reinforced concrete lintel or a solid brick - we use screw anchors  $\text{Ø } 6\div 8 \text{ mm}$
- b) If the mounting is made of hollow-core materials, we use appropriate mounting systems designed for such walls.
- c) If the mounting is carried out on walls made of cavity bricks or gas concrete, etc. - then we use dowels for cavity bricks.

### Mounting conditions:

- a) In the case of walls - assembly is carried out to even surfaces of adequate strength, made in accordance with current Building Law.
- b) In the case of metal structures - assembly is performed on materials with the appropriate wall thickness, connected in accordance with the applicable rules for metalworking.

**NOTE:** The methods of mounting roller shutters presented in this manual are treated as examples

## 1. Assembly tools [1].



## 2. Unpacking the roller shutter

Before installation, the goods must be unpacked and checked for quantity and quality.

a) Roller-shutter box [2], guide rails [3], plugs for masking the screws in the guide rails [4].



b) Types of manual drives used (options):



Strap coiler (belt),  
strap guide rails (belt), strap  
holder (belt) [5].



Cord coiler, cord guide rails,  
cord holder [6].



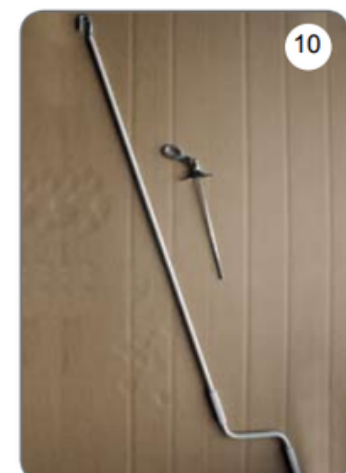
Cassette with gear for strap (belt),  
cassette fixing plate, strap (belt) guide  
rail, crank [7].



Cassette with cable transmission,  
cassette fixing plate,  
cable guide rail, crank [8].



Crank, 45° or 90° Cardan joint  
with bellhook [9].



Crank, 45° or 90° Cardan  
joint with eye [10].

## I ROLL-UP ROLLER SHUTTER BUILT-IN SP SYSTEM

### Installation sequence

a) Check the dimensions of the building hole [11], [12].



b) Mark the place for drilling the hole for the belt or the manual drive cable (approx. 17mm above the guide rail edge) [13], then drill the hole [14].

- under the strap - drill  $\varnothing 20 \div 22$  mm (an installation tube  $\varnothing 20 \div 22$  mm should be inserted in the drilled hole and cut flush with the wall both inside and outside the room)

- under the cord - with a  $\varnothing 10 \div 13$  mm drill bit (a spring - cord guide rail should be inserted in the drilled hole) and adjust its length to the thickness of the wall.

In the case of an electric drive, the hole for the cable cylinder should be drilled at the place where the electrical system is to be installed.



c) Place the roller shutter on the ground [15], adjust the guide rails vertically and screw them with screws to the window frame [16].





d) Loosen the screws [17], [18] and open the access panel of the box [19].



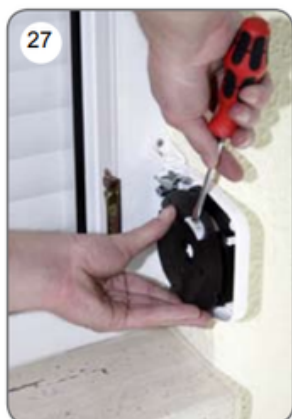
e) Lower the roller shutter curtain to the window sill. Pass the strap, (cord) through the hole to the inside of the room [20]. In the case of roller shutter with electric drive it is necessary to adjust limit stops additionally (using assembly installation cable) and then connect control elements according to the installation instructions (drive, control unit, driver, etc.). Lead the power cable out in accordance with the electrical installation plans.



f) On the inside at the hole exit [21], mount the strap (cord) guide rail [22] using screws [23].



g) Remove the safety pins [24] and open the coiler by levering one side of the cover with a screwdriver [25]. Screw the coiler on to the window frame with screws [26]. Hook the strap (cord) on the catch while holding the spring cover tightly, turn and release the lock [27]. With the coiler installed and the curtain lowered, the following should be wound onto the spring drum 2-3 rolls of strap / cord [28]. Close the cover of the coiler [29].



h) Check that all connections have been made correctly.  
i) Perform a functional test of the roller shutter.  
j) Close [30] and screw on the access panel cover [31], [32].



k) After plastering work, remove the protective foil from the box [33] and the guide rails [34] as well as from the other components. Plug the holes in the guide rails [35].



l) Train the user in the operation of the roller shutter.

m) Provide instructions for use and maintenance, the guarantee and sign the acceptance report to the user.

## II ROLL-UP ROLLER SHUTTER BUILT-IN SP SYSTEM WITH MOSQUITONET

### Assembly sequence.

a) Check dimensions of building hole [36], [37].



b) Mark the place for drilling the hole for the strap or manual drive cable (approx. 17mm above the guide rail edge) [38], then drill the hole [39].

- under the strap - by  $\varnothing 20 \div 22$  mm drill bit (an installation tube  $\varnothing 20 \div 22$  mm should be inserted in the drilled hole and cut flush with the wall both inside and outside the room)

- under the cord - with a  $\varnothing 10 \div 13$  mm drill bit (a spring - cord guide rail should be inserted in the drilled hole) and adjust its length to the thickness of the wall.

In the case of an electric drive, the hole for the actuator cable should be drilled at the place where the electrical system is to be installed.



c) Place the roller shutter on the ground [40], adjust the guides vertically and screw them to the window frame [41].





d) Unscrew the screws [42], [43] and open the box access panel [44].



e) Lower the roller shutter curtain to the window sill. Pass the strap, (cord) through the hole to the inside of the room [45]. In case of roller shutter with electric drive the limit stops should be adjusted additionally (using the mounting cable) then, connect the control elements according to the assembly instructions (drive, control unit, driver, etc.). Lead the power cable out in accordance with the electrical installation plans.



f) On the inside at the hole exit [46], mount the strap guide rail (cord) [47] using screws [48].



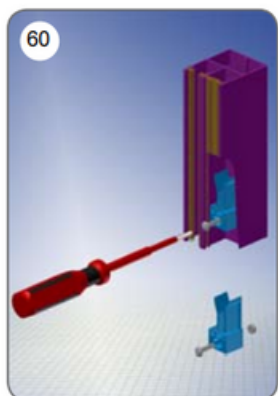
g) Remove the safety pins [49] and open the coiler [50] by levering one side of the cover with a screwdriver. Screw the coiler onto the window frame with screws [51]. Hook the strap (cord) on the catch by holding the spring cover tightly, turn and release the lock [52]. With the coiler installed and the curtain lowered wind 2-3 rolls of of the strap / cord [53]. Close the coiler cover [54].



- h) Check that all connections have been made correctly.
- i) Carry out a functional test of the roller shutter.
- j) Close [55] and screw on the access panel of the box [56], [57].



k) Close the insect screen net in such a position, that the seal between the bottom bar and the window frame is obtained through bristlestrip (side) [58]. Then (on the opposite side of the window) mark the position of the of the insect screen net [59]. Position the plug-in socket at the specified height (in each of the guide rails) and then tighten with appropriate force [60], [61]. Lower the insect screen net and check if the surface between the bottom slats and the window frame is sealed with the bristlestrip [62].



l) After plastering work, remove the protective foil from the box [63] and the guide rails [64] as well as from the other components. Seal the holes in the guide rails [65].



m) Train the user in the operation of the roller shutter.

n) Provide instructions for use and maintenance, guarantee and sign the acceptance protocol to the user.