

EXTERIOR DOOR INSTALLATION AND MAINTENANCE INSTRUCTIONS

30.1.2024



Windows & Doors

This installation and maintenance manual is a document that must be kept available.

RECEIPT OF DOOR DELIVERY:

Check the door package as soon as the shipment arrives. A note of transport damage must be made in the consignment note upon receipt of the shipment or within 7 days to the carrier mentioned in the consignment note. Transport damage must be described with the shipping package. Comments about the delivery must be made to the seller within 6 days. Defective or damaged products may not be installed without the manufacturer's permission. The product must be checked before dismantling the old structure.

DOOR STORAGE:

The packaging of the doors is only intended for protection during transport. It is a good idea to immediately move the doors to dry storage. The doors may be stored outdoors under intact tarpaulins for a maximum of 12 hours. After this, the products must be moved to a flat and dry surface to protect them from rain and moisture. Storing the doors outside for a long time can ruin the product, because the moisture cannot be ventilated under the tarpaulins.

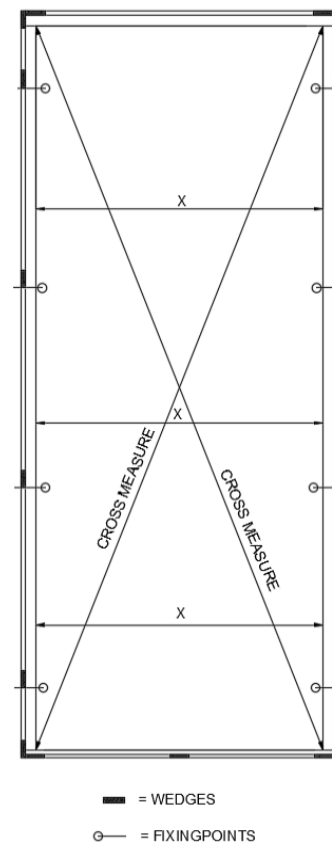
The wooden material of the doors swells under the influence of excessive moisture and can cause surface defects, cracking of paints and varnishes, and color defects. The manufacturer of the product is not responsible for damage caused to the product by moisture during storage.

DOOR INSTALLATION:

Installing doors requires the right tools and accessories as well as professional skills. The manufacturer is not responsible for product defects and malfunctions caused by incorrectly performed installation.

STEPS OF EXTERIOR DOOR INSTALLATION:

1. Check that the dimensions of the doorway and the door correspond to the plan.
2. Check that the base of the threshold is horizontal and even throughout the threshold. The door jamb must never be installed directly on the concrete.
3. Install the jamb in place and wedge it firmly into the doorway with a pair of wedges above the fixing points. With heavy doors and wide jambs (165 and 190 mm), double wedges are installed in the top and bottom corners of the jamb to prevent it from warping due to the impact of the heavy door.
4. Check with a long spirit level that the hinge side of the jamb is vertical. Check the cross measurement and adjust if necessary.
5. Securely fasten the hinge side of the jamb with appropriate screws (at least 5 x 70 mm). In order to guarantee better support, it is recommended to replace the center screw of the second upper hinge with a fixing screw that goes through the jamb to the wall, e.g. 5 x 70 mm, which should be pre-drilled into the jamb.
6. Lift the door onto its hinges and adjust the lock side of the jamb vertically according to the door. (NOTE! When installing double doors, the passive door must be raised on its hinges and fixed with edge bolts, after which the edge of the entrance door part is adjusted to be parallel with the edge of the passive door. With fixed door part, it is also installed in the entrance door jamb before adjustment.)
7. Check that the clearance between the door panel and the jamb is the same throughout. The clearance on the lock side and the lower end of the door should be approx. 1 mm larger than on the opposite side (see hinge adjustment on the back page of these instructions).
8. Test that the door closes and opens well.
9. Also check that the threshold is horizontal and the cross measurement is correct. After that, firmly fasten the lock side of the jamb with screws.
10. Close the door and check lock function. Use suitable insulation between the jamb and the wall. There must not be too much insulation, so that the jamb does not bulge towards the door panel. Use vapor-tight elastic sealing inside when necessary.
11. Close the jamb mounting holes with plugs. Install necessary jamb moldings. Install handle and key cylinder.
12. After the installation is completed, check the tightness of the adjustment and fastening screws of the hinges. Open the knob screws of the hinges and tighten the lifting screw of all hinges to uniform door weight to all hinges.



13. Adjust the temperature inside the door so that it does not exceed + 20 degrees.

WARRANTIES:

The manufacturer is responsible for possible manufacturing and raw material defects of the door and jamb it manufactures. The buyer must notify the seller of these errors within a reasonable time. Lammi doors have a 36-month construction warranty. Thermally constructed doors (does not apply to frame-constructed doors) also have a 10-year straight-standing guarantee from the date of purchase, when the door is installed according to the instructions. The manufacturer is not responsible for damages that have occurred after delivery as a result of careless handling, incorrect storage, incorrect installation, moisture during construction, neglect of maintenance or natural wear and tear. The glass elements of the doors are granted a 60-month (5-year) guarantee.

DOOR MAINTENANCE:

The door requires regular maintenance to maintain its perfect working condition. At least twice a year, check the door opening intervals, the condition of the seals, the function of the hinges, and the surface parts of the door for possible damage. Note that dark colors fade faster than light colors. The Lammi doors have adjustable hinges and the outer doors have an adjustable counter, which you can use to adjust the operation of the door.

The surface of the door and the seals need to be cleaned yearly with a soft cloth moistened with a diluted solution with detergent solution. Locks and long shutters are lubricated once a year with lock oil; a drop of oil at the base of the turning knob, the lock frame and the key seat is enough. At the same time, check the tightness of the fastening screws of the lock, surface hinges and hinges. If necessary, the hinges can also be lubricated with oil - avoid using too much lubricant. Check at least once a year that the weight of the door rests on all hinges.

WE RESERVE THE RIGHT TO CHANGES!



Windows & Doors

HINGE ADJUSTMENT

Height adjustment +4 mm, lateral adjustment +3 mm

LIFTING THE DOOR PANEL:

- remove one hinge knob screw (1)
- turn the hex adjustment screw in the roll of the hinge (2) clockwise until the door rises to the desired position to height (one turn raises the door 1.25 mm)
- adjust all hinges of the door so that they begin to support the door weight
- finally turn the knob screw (1) of each hinge back in position

Required tool: hex key AV5

DOOR PANEL ADJUSTMENT Laterally:

Increasing the clearance between the door and the frame on the hinge side.

- loosen all of the bottom two hinges of the jamb fixing screws (3) a couple of turns
- turn both adjustment screws (4) of the hinge clockwise the necessary amount (one round moves the door panel approx. 2 mm towards the lock side)
- tighten the fixing screws (3)
- if necessary, do the same procedure for the uppermost hinge(s).

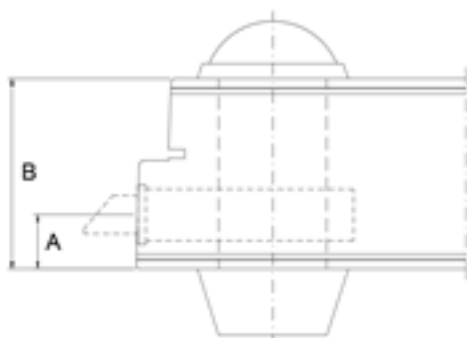
Required tools: hex key AV4 and a suitable tool for mounting screws.



A AND B DIMENSIONS:

A = measure from the middle of the lock body to the outer surface of the door

B = the thickness of the door panel

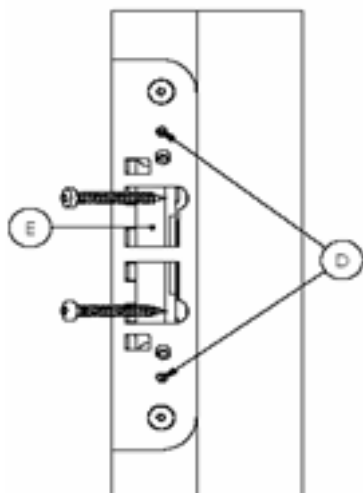


ADJUSTMENT OF STRIKER LP711:

To make the door tighter, turn screws D clockwise.

The adjustment seat E must remain parallel to the front edge of the counter plate.

Do not use excessive force.



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NB: 0809

(EN 16034)

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EN 14351-1+A1:2010

Entrance door

Intended use:

The entrance door of the apartment/business premises

U-value Uw

U = < 1,0 W/K*m2

Resistance to wind load

NPD

Watertightness

NPD

Air permeability

NPD

Other information:

The technical characteristics and performance values of the products can be found in the customer-specific documents!

Door maintenance instructions also available at www.ovistudio.fi

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