



Windows & Doors

## Lammin® EPO panelled terrace doors



Lammin EPO doors are stile-structured terrace doors that are panelled or completely glazed.

The doors are manufactured per the requirements of the customer and the construction site in 10-mm frame-measurement increments. They are suited to new structures and repair/renovation projects alike. The dimensions of the glass panels, models and colours of the door, energy-efficiency of the glass parts, safety characteristics of the glasses, and additional features and equipment are always selected individually for each order and product. Providing very good heat insulation, the structure of Lammin doors is designed for use in entrance doors to flats or heated storage spaces.

The order and order confirmation with the product charts cover only the product quantities and quality, surface treatments, and equipment mentioned in them.

### Dimensions

The frames are manufactured in 10-mm width and height increments. The height of the glass panel is scaled to the frame height of the adjacent window. The dimensions have to take into consideration whether the adjacent window is active or instead inactive.

#### Single doors:

- Width 490-990 mm – height 1,490-2,290 mm
- Width 1,000-1,190 mm – height 1,490-2,090 mm

#### Double doors:

- Width 1,190-1,790 mm – height 1,490-2,290 mm

The double door can be asymmetrical, with the minimum width for a door leaf being 400 mm.

### Raw wood material and surface finishing of wooden parts

All wooden parts of Lammin terrace and balcony doors are made from carefully selected Finnish pine, with all visible parts finger-jointed and laminated to be unwarped and branchless:

- The frame is a 54-millimetre-thick frame with double rebates, in frame widths 121, 135, 165, and 190 mm.
- The door leaf is of thickness 70 mm and width 100 mm, with sturdy door stiles that feature 14-mm wood-pin joints.
- Each door leaf is measured via CNC technology, guaranteeing high precision of the dimensions. The door comes with a five-year cross-measure guarantee.
- The threshold is of laminated Finnish birch with translucent coating.

The frames and door leaves have protective a coating as a standard feature. The transparent colours are selected from the Teknos colour chart. The door is not manufactured with opaque paint.

### Glazing and the unglazed part

The door's glasses are FI-approved 3K elements, and their thicknesses are always at least 4 mm. The height of the glass can be selected in accordance with the height of the adjacent window.

The outer surface of the unglazed part of the door is an STV panel, the inward-facing surface is rotary-cut pine veneer, and the insulation is polystyrene.

### Fittings

The doors are equipped with three anti-vandalism hinges with vertical and horizontal adjustment. Those door leaves with a width of more than 10 m and with complete glazing are equipped with four hinges as standard.

The locking choice available for the door is a lever bolt, lockable lever bolt, or multifunctional closing mechanism. The doors have a handle-operated stay fastener as standard equipment with the lever handle. The double doors have two barrel bolts.

Thanks to the sturdy leaf structure, the door can also be equipped with an LC102 lock case. In this case, the striker plate used is an adjustable LP711 striker plate. The fitting range also includes security-lock cases. Alternatively, all locking options can be selected with surface fittings and lock cases that are pre-installed at the factory.

### Draught exclusion (weather strips)

Double weather strip with a special seal whose structure continues uninterrupted around the door corners. The seal is black. The threshold is equipped with wear-proof shaped rubber seal.

### U value

The overall U value for a single door of the product is 0.97 W/m<sup>2</sup>K. The coefficient of thermal transmittance has been determined in accordance with the standard SFS-EN 14351-1 + A1.

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