



Windows & Doors

Lammin® EI30 exterior fire doors



E130 101



E130 102



E130 104



E130 105



E130 114

The Lammin fire exterior door structure, with excellent heat-insulation capabilities, is designed to be used for entrance doors to flats or heated storage spaces where EI30-class fire insulation is required. The doors are manufactured in accordance with the product range provided here, either with glazing or in an unglazed option.

Dimensions

Size and door model	EI30 101	EI30 102	EI30 104	EI30 105	EI30 114
Minimum size	7 × 17	9 × 20	10 × 21	9 × 20	9 × 20
Maximum size	10 × 23	10 × 23	10 × 23	10 × 23	10 × 23

The delivery includes only the products mentioned in the confirmation of the order. The doors have HDF board surfaces, with a pattern on the outer surface in accordance with the product in the range. The interior-facing surface is smooth. The warm and sturdy thermal-door structure is composed of veneer and aluminium sheets on both sides. The insulation used is a non-flammable three-layer structure with good heat-insulation properties. The doors are manufactured with special measurements in 10-mm increments.

Raw wood material and surface treatment of wooden parts

All wooden parts of Lammin exterior fire 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 165 and 190 mm.
- The door leaf is made of glued, finger-jointed laminated pine. Door thickness is 90 mm.

Frames and door leaves are painted with an opaque coating. The colour tone is selected from the RR colour chart. The standard colour for the white paint is NCS S 0502-Y. The threshold is 38 mm with a double rebate and thermal break, and the front edge of its aluminium profile is equipped with 'snap-in' attachment for mounting of the flashing. The threshold is painted with a translucent coating.

Glazing and the unglazed part

The insulation glasses of the door are FI-approved 3K fire-glass insulation elements. The middle glass is a Stippolyte decorative glass, and argon glass filling is used between all panes. The size of the glass remains unchanged if the door size changes.

Fittings

The hinges (3248-110TMKSS) are anti-vandalism hinges that are adjustable vertically and horizontally (4 pcs, delivered as standard). The surface treatment for doors painted white is white, and with other colour options it is clear. The doors are equipped with an LC102 lock case and a striker plate of type LP 711.

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 white for white doors and black in others. The threshold is equipped with wear-proof shaped rubber seal. The door leaf has an expanding fire seal.

Testing

The door structure has been tested in accordance with the standard EN 13501-2:2007 + A1:2009, and it has been given a classification statement, TEK-089/12en (14.12.2012). The fire doors have not been CE marked, since the related product standard has not yet been approved. The U value of the doors fulfils the 1.0 W/m²K requirement.

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