



Windows & Doors

# Lammin® sound-insulating thermal entrance doors



The Lammin sound-insulating thermal doors are particularly suitable for construction and renovation, where proper sound insulation properties are required. Currently the door is available as a solid door with the surface grooving of the customer's choice.

The Lammin sound-insulating thermal doors are outward opening, and they are tailor-made according to the customer's needs. Frame dimensions are available in 10-mm increments. The door structure is designed to be used as the entrance door of dwellings or heated storerooms.

## Dimensions

The maximum height of a 990-mm wide door is 2,290 mm. However, if the door is wider (maximum width 1,190 mm) the maximum height is 2,090 mm.

## Wooden raw material and surface treatment of wooden parts

All the wooden parts of the Lammin thermal entrance doors are manufactured from carefully selected non-warping Finnish pine, which is finger-jointed and glue-laminated to be knotless for the visible parts.

- The door frame is 54 millimetres thick and has double rebates. The available frame widths are 165 and 195 mm.
- The door structure is made of finger-jointed glue-laminated pine. The door thickness is 90 mm.

The frames and door leaves are painted with an opaque finish, and the colour is selected from the RR colour chart. The standard tone of the white paint is NCS S 0502-Y.

The double-rebated 38-mm threshold is equipped with a thermal break, and, in the aluminium profile of the front edge of the threshold, there is a 'snap-in' mechanism for installing flashing. A 25-mm threshold with a single rebate/sealing strip is also available. The threshold has a transparent surface treatment.

## Solid part

The doors have a HDF board surface and a pattern in the style of the collection. The inside of the door is smooth. The thermal-insulating and sturdy door structure consists of support veneers and aluminium sheets on both sides as well as of the soundproofing structure in the solid part.

## Fittings

The hinges (3248-110TMKSS) are vertically and horizontally adjustable anti-theft hinges (standard delivery size 4 pcs) with a clear surface treatment. The doors are equipped with an LC102 lock case and an LP711 striker plate.

The fitting selection also includes safety lock cases. The fixed leaf of the double door is equipped with flush bolts.

Surface fittings and door cylinders, which will be installed at the factory, are also available for all locking options.

## Sealing

Double sealing with a special seal whose structure reaches uninterrupted around the door. The colour of the seal is white for white doors and black for others. The threshold is equipped with a shaped wear-resistant rubber seal.

## Performance

The door's Rw value is 45 dB, Rw C value 43 dB, and Rw CTR value 40 dB. Test report VTT-S-05006-16.

## U-value

The product's U-value for a single door is < 1.0 W/m<sup>2</sup>K (solid doors).

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