



FIRE RESISTANT INTERNAL DOOR WITH A METAL FRAME HU EI₂₃₀

Recommended use

The wooden door with a metal frame, developed in cooperation with Haapsalu Uksetehas, is used as an interior door between fire compartments in industrial buildings, residential buildings, and office buildings, where the fire resistance class of the door must be EI₂₃₀. Suitable for indoor use in dry and heated rooms where there is no direct contact with chemicals or a corrosive environment.

Dimensions

The maximum overall dimensions of the door frame are 1358 x 2391 (width x height) mm.

Certificate of conformity

The fire resistance of the door has been tested in the Tallinn test laboratory of TÜV Eesti OÜ in accordance with the test standard EN 1634-1:2008 and certified by Inspecta Estonia OÜ in accordance with the standard EN 16034:2014 with fire resistance class EI₂₃₀.

Properties

Resistance to repeated opening and closing, EN 1191, class*	100,000 cycles, C4
Smoke resistance, EN 1634-3, class*	S _a / S ₂₀₀
Sound insulation: Rw; Rw+C; Rw+C _{tr} , EN ISO 717-1*, dB	37-40 dB

*Declared values depend on the size of the door.

Construction

Door leaf is 62 mm thick. The seals are located on the top, bottom, and sides of the door leaf perimeter. 3 adjustable leaf hinges. The appearance of the visible veneer and the finished surface of the doors meets the requirements of quality class V of the standard draft SFS 4434 EHD. When assessing the colour tone of the veneer, the characteristic pattern, colour variation, and possible variegation of the wood species must be taken into account.

Frame is made of hot-dip galvanized steel sheet profiles with a thickness of 1,5 mm, which are connected to the corners of the frame by a welded joint. Mineral wool is used as insulation. The frame can be ordered with a skirting covering the installation slots (type MM) or without a skirting (type MS) that can be installed deeper than the wall surface.

Threshold is made of wood and covered with stainless steel.

Finishing

The doors are painted, veneered, or covered with high-pressure laminate 0.6 mm. The doors and frames can also be painted in all RAL, NCS, and RR colour card tones with two-component polyurethane paint and epoxy primer.

Locks

Certified fire-resistant locks by Abloy, Boda, Assa, and Nemeff can be installed to the door.

Installation

Frame is fixed from seven points. Threshold is fixed from the middle. Fixing apertures are covered with plastic plugs. After fixing, the installation gap of the frame is filled with stone wool or construction assembly foam and covered with frame-coloured sheet metal skirting boards. The package includes mounting screws, dowels, and caps.

More detailed information can be found in the installation instructions.

Accessories

- Magnetic contact, slot for mailing, closer
- electrical transfer, window
- oak sill with aluminum wear strip
- It is mandatory to install a non-removable closer on the door on the escape route. The Abloy DC335BC closer can be used

Maintenance

The door must be inspected and maintained at least every six months. The closing of the door and the operation of the locking elements must be checked. More detailed maintenance information can be found in the maintenance manual.

It is possible to sign a maintenance contract upon purchasing the door.

