



FIRE RESISTANT INTERNAL WOODEN DOOR WITH A METAL FRAME

HU EI₂₃₀ TWO-SIDED

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 (width x height) 2739 x 2391 mm for fire resistance and 2390 x 2090 mm for S₂₀₀. Maximum active door leaf width for fire resistance is 1442 mm and for S₂₀₀ 1258 mm. Maximum passive door leaf width for fire resistance is 1297 mm and for S₂₀₀ 1131 mm.

Certificate of conformity

The fire resistance of the door has been tested in the Tallinn test laboratory of TÜV Eesti OÜ 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*	100000 cycles, C4
Sound insulation: Rw; Rw+C; Rw+Ctr, EN ISO 717-1*, dB	40
Smoke resistance, EN 1634-3, class*	S _a / S ₂₀₀

*Declared values depend on the size of the door.

Construction

Door leaves are 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 variation of the wood must be taken into account.

Frame is made of 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. Frame can be ordered with cover slat covering lateral installation slots (type MM) or without cover slat for installation deeper than wall surface (type MS).

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 ten points. Threshold is fixed from the middle. Fixing apertures are covered with plastic plugs. Installation gap will be filled with mineral wool or construction foam after fixing. Package includes fixings and plugs. For more details see installation manual.

Accessories

Magnetic contact, slot for mailing, closer, border slats, cable loop, window, oak threshold with aluminum wear strip

Door closer with non-detachable arm must be installed to the door located in evacuation path. Door closer Abloy DC335BC can be used.

Maintenance

Door must be checked and maintained at least once every six months. Check closing of door and operation of locking elements. Detailed information is available in maintenance manual. It is possible to sign a maintenance contract upon purchasing the door.

