



**FIRE-RESISTANT STEEL DOOR FQ100 EI<sub>2</sub>120**

ver01

**Recommended use**

External door used between fire stop sections in industrial buildings, dwellings and office buildings, where fire resistance class of the door must be EI<sub>2</sub>120.

**Dimensions**

Maximum dimensions of the door frame are 1260 x 2260 mm or 1090 x 2600 mm.

**Certificate of conformity**

Fire-resistance has been tested in testing laboratory of TÜV Eesti OÜ in Tallinn according to standard EN 16034:2014 with a certificate ET-0210-18 and fire-resistance class EI<sub>2</sub>120.

**Properties**

Smoke tightness, EN 1634-3, class*	S <sub>a</sub> / S <sub>200</sub>
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\*Declared values depend on the size of the door.

**Construction**

**Door leaf** is 100 mm thick. Rebates are at the sides and at the top. External and internal sides are made of 1,0 mm hot-dip galvanized steel sheet. Insulation material is fire-resistant mineral wool. Rigidity of the door leaf is achieved via gluing together the metal and the insulation material. There are at least 4 hinges with ball bearings.

**Frame** is made of hot-dip galvanized steel sheet profiles with a thickness of 1,5 mm. Insulation material is fire-resistant mineral wool. Frame can be ordered with cover slat covering lateral installation slots (type YM) or without cover slat for installation deeper than wall surface (type YS).

Seal is made of silicone rubber and is fitted into the groove of the frame. **Threshold** is made of hot-dip galvanized or painted steel sheet. Also available without a threshold.

**Finish**

Door is coated with polyester powder coating. Standard tones are RAL7001 (silver gray), RAL7024 (graphite grey), RAL8014 (sepia brown), RAL9006 (white aluminum) and RAL9010 (pure white). Alternatively the door can be painted with epoxy primer and two component polyurethane paint in all the tones of RAL catalogue.

**Locks**

Certified EI120 fire-resistant locks by Abloy and Assa can be installed to the door.

**Installation**

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

**Accessories**

Stainless steel threshold, gradient threshold, drop down seal, border slats, foot sheet, lock case, core, core covers, door handle.

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

**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.

