

FIRE DOORS



SAFEDOOR fire-rated doors are certified steel door assemblies designed to prevent the spread of fire and smoke for up to 120 minutes. They are certified to EI60 and EI120 fire resistance classifications in accordance with EN 1634-1 and are accompanied by an Environmental Product Declaration (EPD).

Each door leaf is manufactured as a sandwich construction comprising two galvanized steel sheets of **1.00 mm thickness** (optional: **1.25 mm** or **1.50 mm**). The overall leaf thickness for both **EI60** and **EI120** doors is **60 mm**. The internal core consists of **high-density rock wool insulation (150 kg/m³)**, providing excellent fire resistance and thermal insulation properties.

Each leaf is equipped with heavy-duty fire-rated steel hinges. The lockset is constructed from fire-resistant steel and is available with or without a panic escape function. Lever handles and knobs are fire-rated and feature a durable black finish.

Air and smoke sealing performance is achieved through a **mineral-based intumescent seal**, which expands at temperatures exceeding **120°C**, effectively preventing the passage of flames, hot gases, and smoke.

Door Frames

Door frames are available in two configurations:

1. Z-Type Frame

Manufactured from galvanized steel sheet of **1.50–2.00 mm thickness**, specially formed in a “Z” profile. This frame can be installed regardless of wall thickness and represents the most economical and widely used solution.

2. Full-Wall Coverage Frame

Manufactured from galvanized steel sheet of **1.50–2.00 mm thickness**, designed to cover the entire wall thickness. The frame cavity is filled with cement mortar to ensure maximum rigidity and fire performance.

Door leaves and frames are supplied factory-primed with anti-corrosion coating. Where airtightness requirements apply, frames can be fitted with a perimeter rubber gasket.

Fire Dampers for Louvered Openings

Where the door leaf incorporates a louvered ventilation opening, an automatic fire damper system is provided. Upon activation by the building fire detection system, a dedicated mechanism automatically closes the opening using a steel closure panel, thereby maintaining the fire integrity of the door assembly.



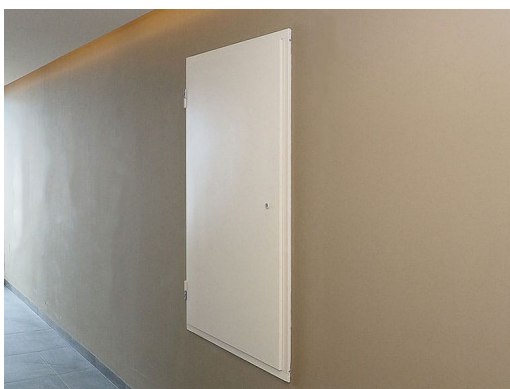
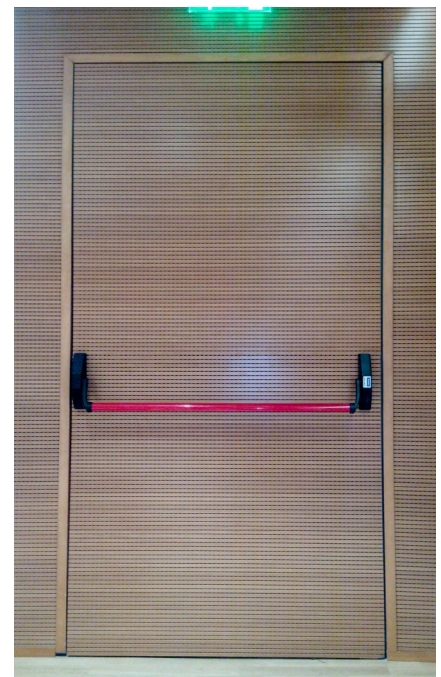
Fire-Rated Glazing

Fire-rated vision panels can be incorporated into the door leaf. All glazing systems are supplied with the relevant certified fire test approvals and comply with applicable fire-resistance requirements.

Timber-Clad Fire Doors

In addition to the standard steel finish, SAFEDOOR fire-rated doors can be supplied with decorative timber cladding selected from a wide range of finishes and designs. Cladding is mounted using a dedicated steel or powder-coated aluminium framing system.

For enhanced airtightness, these doors incorporate a secondary perimeter gasket providing additional sealing against cold smoke and air infiltration.

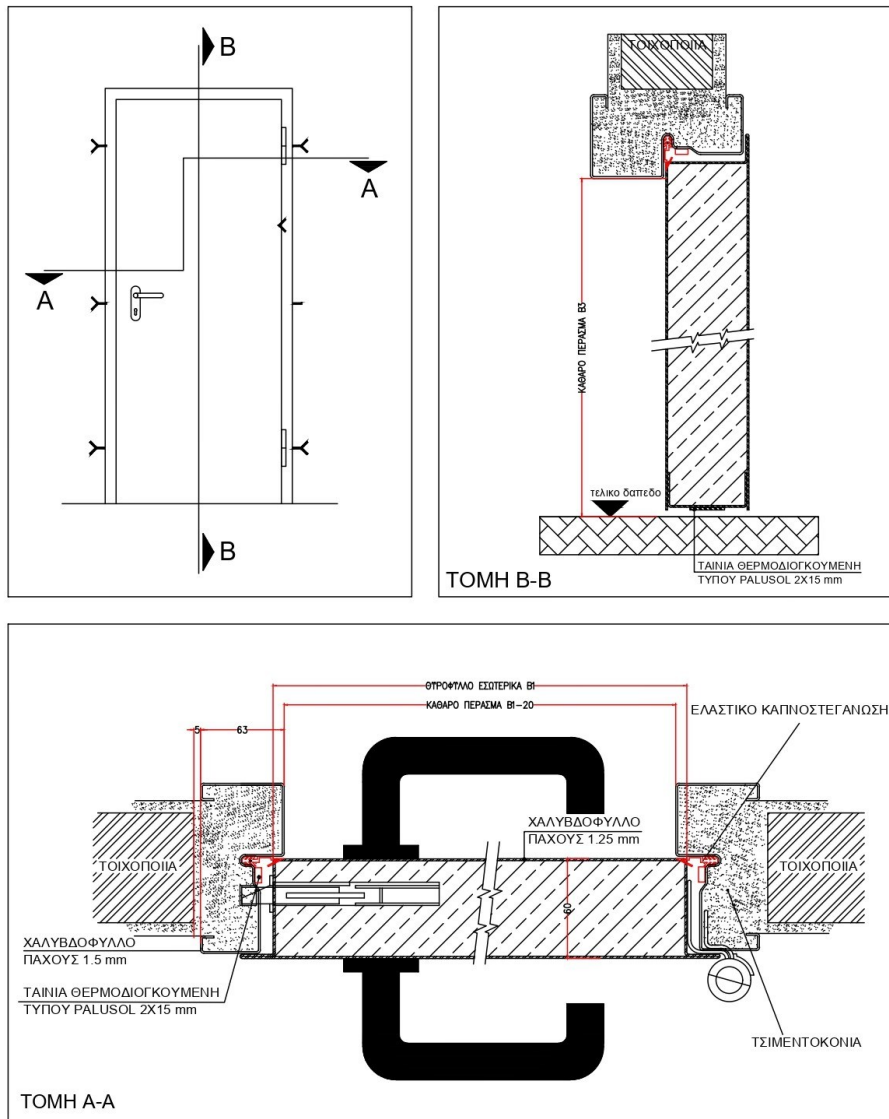


SHAFTS

Fire-rated doors for mechanical, electrical and plumbing (MEP) service shafts are available with a four-sided frame configuration. These shaft access doors can also be supplied with timber or aluminium cladding where architectural requirements dictate.

Specification

Classification	EI60 – EI120/ EN 1634-1 & Environmental Product Declaration (EPD)
Door Leaf Thickness	60 mm
Installation	Masonry Walls / Drywall Systems / Steel Structures
Material	Galvanized Steel
Steel Sheet Thickness	1.00 mm / 1.25 mm / 1.50 mm
Core Insulation	Rock Wool, Density 150 kg/m ³
Air & Smoke Sealing	Mineral-Based Intumescent Seal
Finish	Anti-Corrosion Primer / Powder-Coated Finish



SAFEDOOR PC

34th klm Athens - Lavrio & Hefaistou 77

Industrial Park Kalyvia Attica P.O. Box 214, P.C. 19010

TEL.+30 22990 47800, +30 22990 47050

FAX +30 22990 47688

