



Internal vs External Doors - Fire Rated

External Fire Rated Doors

UK building regulations treat internal and external fire-rated doorsets differently. Mixing up their requirements can lead to non-compliance and invalid certification.

Definition

- A pedestrian doorset installed in the external envelope of a building.
- Separates indoor space from the outside and forms part of the thermal/weather-tight barrier.

Fire Testing Standards

- Must be fire tested to EN 1634-1.
- Must be classified to EN 13501-2.
- Classification includes:
 - E-Integrity
 - EW - Radiation control
 - EI - Insulation
- Example classification: E 90 / EW 60 / EI 20

Hardware Requirements

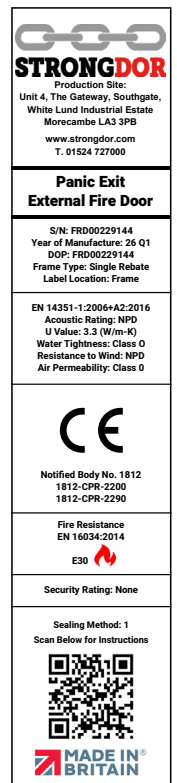
On CE/UKCA-marked external fire doorsets, all hardware must match the tested configuration exactly.

***Please note that adding hardware to the door on site that we haven't tested will invalidate the certification.**

CE / UKCA Requirements

- Legally required to be CE-marked to EN 14351-1 + EN 16034 since Nov 2019.
- UKCA marking accepted for the GB market since Jan 2021.
- Must have:
 - Certificate of Constancy of Performance (CoCP)
 - Declaration of Performance (DoP) referencing both EN 14351-1 and EN 160

NOTE: The BS 476 testing standard will be withdrawn in september 2029.



Internal Fire Rated Doors

Definition

- A pedestrian doorset installed within the internal envelope of a building.
- Separates internal spaces and is not exposed to external weather.

Fire Testing Standards

- EN 1634-1: Fire test method for internal fire-rated doorsets.
- EN 13501-2: Classification system giving E, EW, or EI ratings.
- BS 476-22: Alternative test method giving FD ratings (e.g., FD60).

Certifications

- Internal fire-rated doors cannot be CE or UKCA marked because no harmonised standard exists for them.
- Manufacturers may use voluntary third-party certification schemes, such as:
 - Efectis Certified
 - Warringtonfire Certifire

NOTE: The BS 476 testing standard will be withdrawn in september 2029.

*Please be aware that if you do not follow the permissible structures section of our install instructions it will void the certification and mean the door is non-compliant and the correct fixing kit must be used. This applies to both internal and external doors.

