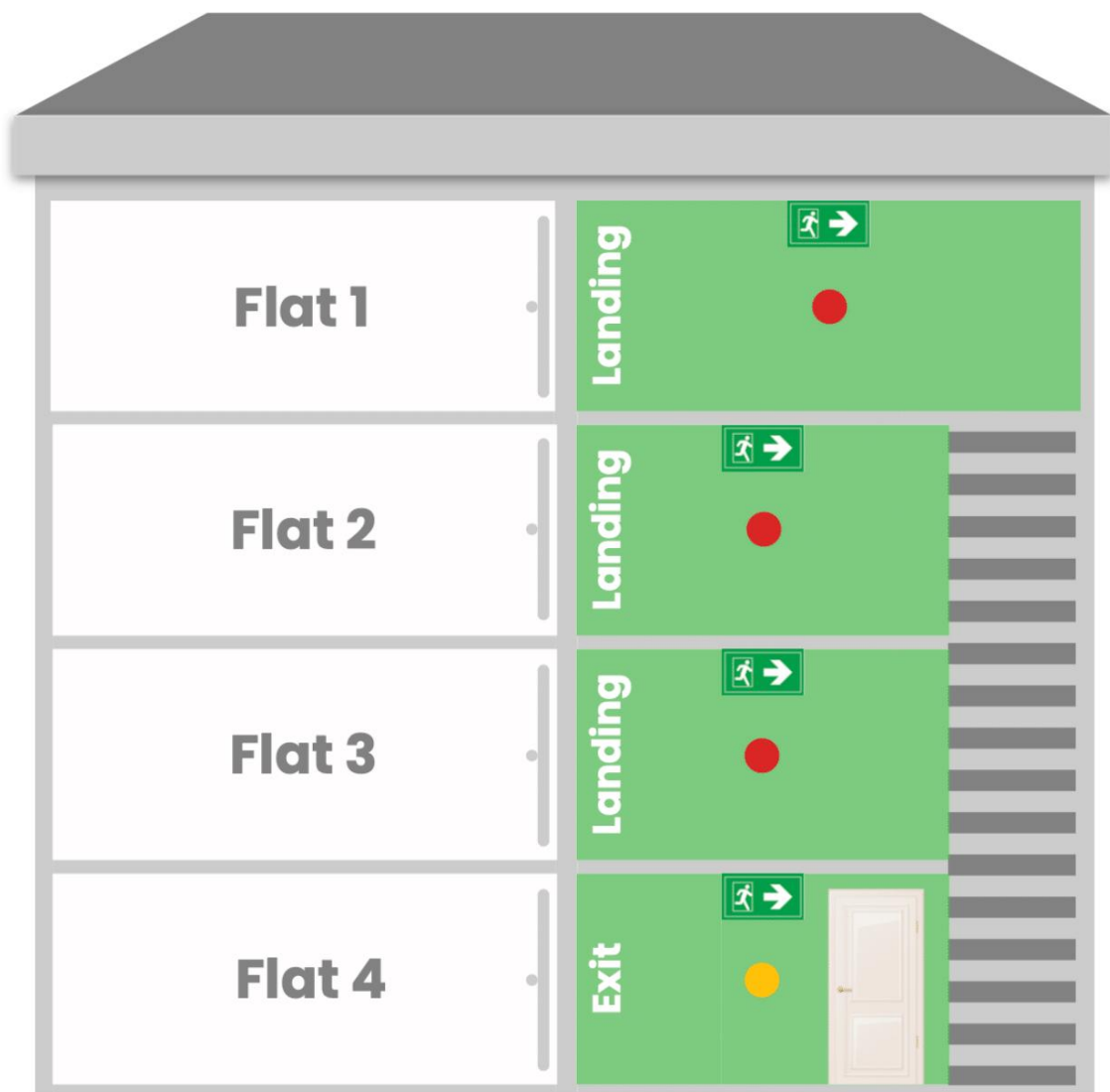# EMERGENCY LIGHTING
Four storey building converted to flats.

🔴 Non maintained Emergency Lighting

🟡 Maintained emergency Lighting (Exit Doors)

Flat 1	Landing
Flat 2	Landing
Flat 3	Landing
Flat 4	Exit

The Updated Fire Alarm Grades

Grade A-C – Fire detection system incorporating control and indicating equipment to BS EN 54-2, power supply to BS EN 54-4, and installed to BS 5839 Part 1, with some very minor exceptions.

Grade A-C
Separate detectors, sounders, central control, and indicating equipment with backup power. Equipment must meet other British Standards (BS EN 54).
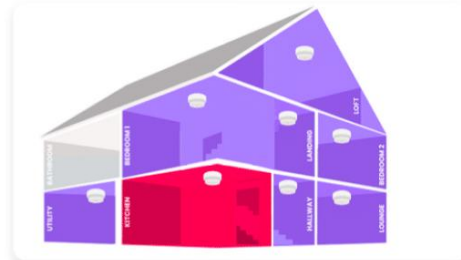
LD1 – HIGH PROTECTION
All areas where a fire could start

Examples:
- Hallways
- Landings
- Living Rooms
- Kitchens
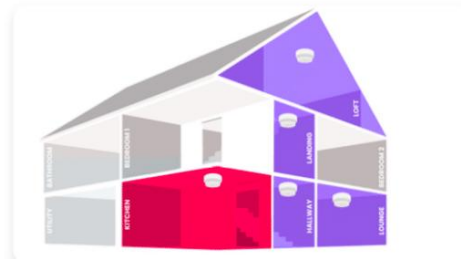- Bedrooms
- Airing Cupboards
- Meter Cupboards

LD2 – MEDIUM PROTECTION
Escape routes and high risk areas

Examples:
- Hallways
- Landings
- Living Rooms
- Kitchens

LD3 – MINIMUM PROTECTION
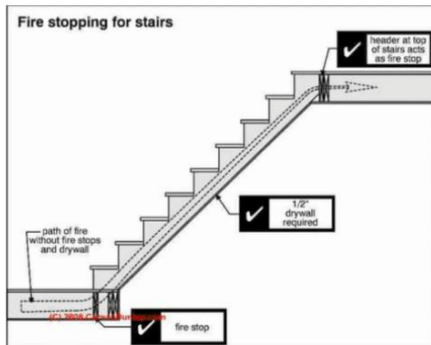**Escape routes**

Examples:
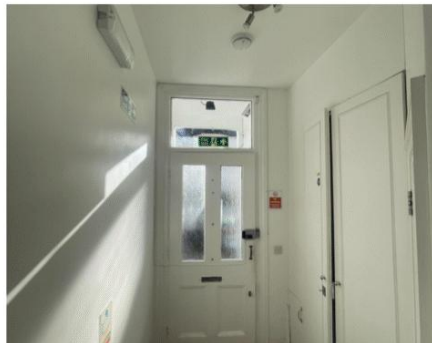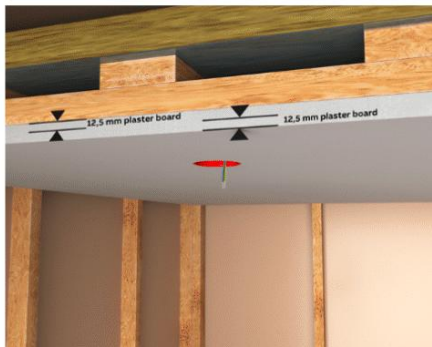- Hallways
- Landings

Fire Boarding

Fire rated encasement is required for ceilings andelectrics in all common areas.

✔ Compliant

✖ Non-Compliant

Fire Door Compliance
Flat Entrance Doors
New regulations from January 2023

1. Mechanical Closer
Certified closers should be free from damage and not leaking oil

2. Check that it is a fire door.
Check for labels that show the door is certificated.

CERTIFIED FIRE DOOR DO NOT REMOVE LABEL **FD 60**
CERTIFIED FIRE DOOR DO NOT REMOVE LABEL **FD 30**

Fire door Keep shut

9. Signs.
Check that the door has appropriate signage.
Signs need to be on both sides of the door.

3. Hinges.
Fire doors should be fitted with three hinges with no missing screws.

4. Gaps
A gap of no more than 3mm + 1mm should be even around the door frame.

8. Locks and Latches.
The latch should hold the door in place, firmly inside the frame.

5. Fire Resistent Lettebox
A fireproof letterbox, also known as an intumescent letterbox is designed to stop the spread of fire and smoke, unlike conventional letterboxes

7. Fire and Smoke Seals.
Stop smoke and toxic gas escaping through the fire door.
Seals are required on both sides as well as the top.

6. Smoke threshold seal.
Designed to seal when the door closes and retract automatically when the door opens.

BS CODES

Lever Handles & Knob Furniture: BS EN 1906: 2012
Panic Exit Devices: BS EN 1125: 2008
Locks and Latches: BS EN 12209: 2016
Cylinders for Locks: BS EN 1303: 2015
Single Axis Hinges: BS EN 1935: 2002

Door & Window Bolts: BS EN 12051: 2000
Fire Door Closers BS EN 1154: 1997
Electrically Powered Hold Open Devices: BS EN 1155: 1997
Fire-Rated Glass: BS 6206
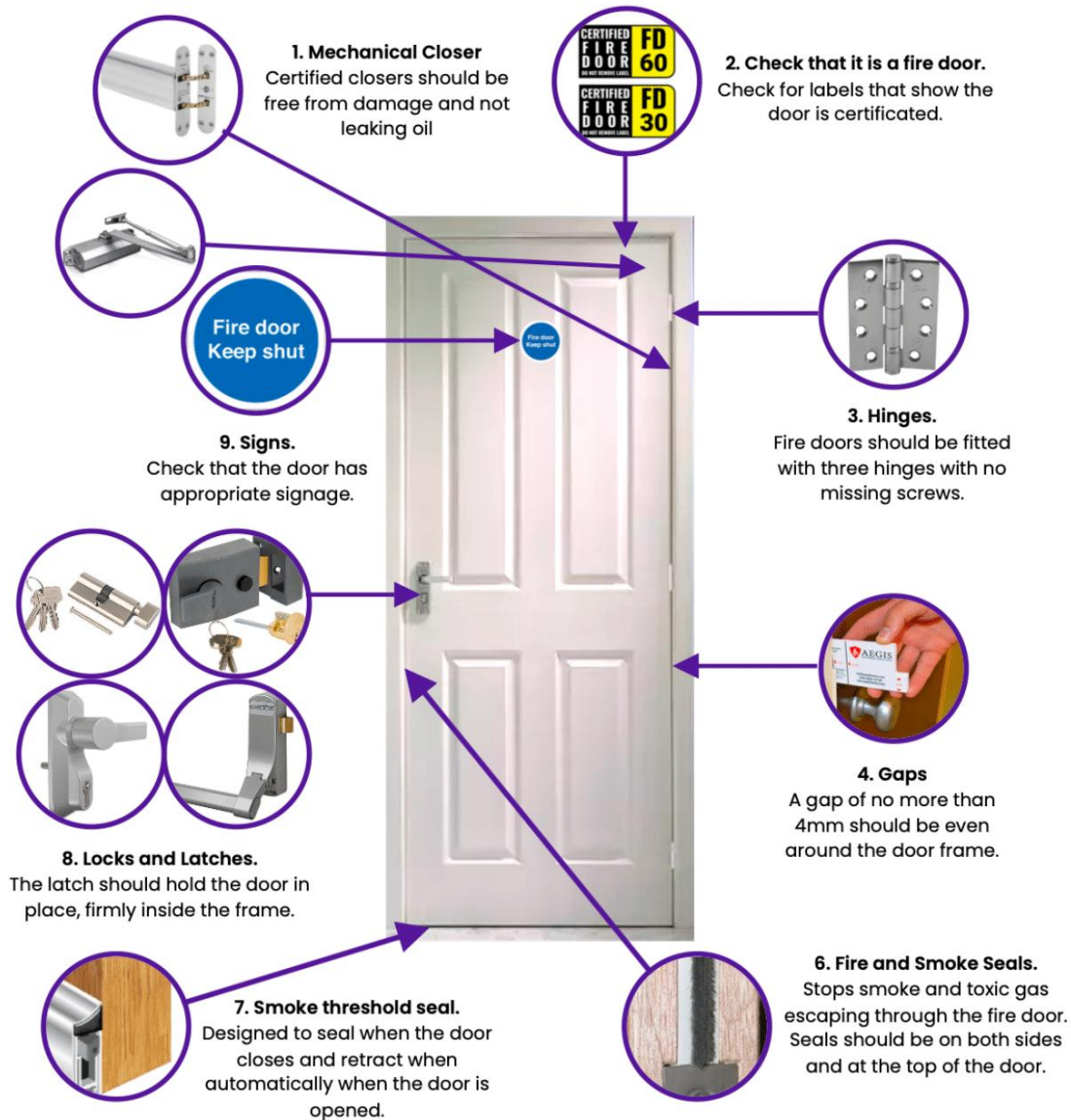Letter Plates/Letter Boxes: BS EN 13724: 2013

Fire Door Compliance

Landlords, HMO's & Kitchen Doors
New regulations from January 2023

1. Mechanical Closer
Certified closers should be free from damage and not leaking oil

2. Check that it is a fire door.
Check for labels that show the door is certificated.

CERTIFIED FIRE DOOR FD 60
CERTIFIED FIRE DOOR FD 30

Fire door Keep shut

9. Signs.
Check that the door has appropriate signage.

Fire door Keep shut

3. Hinges.
Fire doors should be fitted with three hinges with no missing screws.

AEGIS

4. Gaps
A gap of no more than 4mm should be even around the door frame.

8. Locks and Latches.
The latch should hold the door in place, firmly inside the frame.

7. Smoke threshold seal.
Designed to seal when the door closes and retract when automatically when the door is opened.

6. Fire and Smoke Seals.
Stops smoke and toxic gas escaping through the fire door. Seals should be on both sides and at the top of the door.

BS CODES:

Lever Handles & Knob Furniture: BS EN 1906: 2012	Door & Window Bolts: BS EN 12051: 2000
Panic Exit Devices: BS EN 1125: 2008	Fire Door Closers BS EN 1154: 1997
Locks and Latches: BS EN 12209: 2016	Electrically Powered Hold Open Devices: BS EN 1155: 1997
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Single Axis Hinges: BS EN 1935: 2002	Letter Plates/Letter Boxes: BS EN 13724: 2013