

Category 1 Standard

1-083 Passive fire protection systems

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1 Purpose

- 1.1 The purpose of this Standard is to define the parameters that control the provision of passive fire protection systems.

2 Scope

- 2.1 This Standard applies to all London Underground. (LU) premises and all work taking place within the boundary of those premises, including railway facilities, but not trains.
- 2.2 The passive fire protection systems within the scope of this document include all fire resisting elements of construction comprising, doorsets, shutters, floors, walls, ceilings, glazing, fire stopping, ductwork, dampers, structural fire protection, cavity barriers, escape doors, door furniture and signs associated with escape doors and fire resisting doors, and fire safety signs.
- 2.3 This standard replaces 1-083 A1.

3 Requirements

3.1 General Requirements

- 3.1.1 The provisions for passive fire protection systems in buildings (other than for stations and the railway), shall be in accordance with the requirements made in the Building Regulations, Approved Document B.
- 3.1.2 The provisions for passive fire protection for stations and the railway shall be provided fully in accordance with the recommendations of current editions of the Health and Safety Executive's (HSE) Railway Safety Principles and Guidance (RSPG), and in addition shall incorporate any specific requirements of the relevant fire authority.
- 3.1.3 The passive fire protection provisions to be provided shall be those required to support the fire strategy for the premises (see LU Engineering Standard 1-080).
- 3.1.4 The passive fire protection systems to be provided shall be designed in accordance with LU Engineering Standard 1-081.

3.2 Structural fire protection

- 3.2.1 Structural fire protection shall be provided in compliance with the England & Wales Building Regulations Approved Document B, or the RSPG as is appropriate to the case.

3.3 Fire separation & compartmentation

- 3.3.1 Fire separation and compartmentation shall be provided in compliance with the England & Wales Building Regulations Approved Document B, or the RSPG as is appropriate to the case.

3.4 Fire resisting raised floors and suspended ceilings

- 3.4.1 Fire resisting raised platform floors shall be of a type tested and classified to BS EN 13501-2. The floor shall have satisfied the Integrity, Insulation, and Loadbearing capacity criteria (R, E and I)..