

## Understanding Fire Doors and Carrying Out Inspections (Scotland)

### Course Aims & Objectives

Delegates attending and completing this **one-day overview course**, including practical inspection, will gain the necessary underpinning knowledge as well as the practical skills and confidence to ensure they are able to competently inspect and assess fire doors and make appropriate decisions against benchmark standards.

- **Introduction – why fire doors need inspection and what does legislation and guidance say we must do?**
  - Understanding the requirements of Scottish legislation and Government guidance which determine the requirement and frequency for fire door assessment and inspection.
- **Fire Dynamics**
  - Stages of combustion / pyrolysis
  - Controlling fire
  - Definition of fire and the fire triangle
  - Fire spread
- **An Overview of the Role of a Fire Door in Passive Compartmentation**
  - The definition of passive fire protection
  - Fire resisting & reaction to fire
  - The legal requirement
  - Means of escape
  - Compartmentation / separation
  - The functional role of fire doors
- **Fire Door Specifications**
  - Fire door components
  - 3<sup>rd</sup> party certification
  - Door 'sets' & door 'assemblies'
  - Notional fire doors
  - Fire door ratings
- **Individual Components of a Fire Door**
  - Passive seals
  - Gap tolerances and the use of drop seals
  - Glazing
  - Locks, latches, levers and knobs
  - Hinges & screws
  - Ancillary features
  - Self-closing devices
  - Fire door leaves & frames
- **Risk Assessment & Inspection**
  - What should be included in an inspection?
  - Can the use of a template provide a valid inspection?

**The course rounds off with delegates undertaking a practical inspection of a fire door**