



Information Sheet No. 7

Fire Doors – will they be approved?

What does FD30S mean?

A fire door with 30 minutes fire resistance fitted with intumescent and cold smoke seals. It will be self-closing and have “FIRE DOOR KEEP SHUT” signs displayed on both sides at about eye level.

Fire test evidence

Prior to purchase, it is necessary to ensure that a full test report is available for the size and configuration for each fire door to be installed.

Modifications to fire doors

Any modification will require either further test evidence or assessment of the modified door, whether it be changes to the ironmongery, the seals, or for an aperture cut for glazing.

Marking of fire doors

Normal marking is a colour coded plug or label. DO NOT COVER OR REMOVE. This marker indicates the fire resistance rating of the door.

Single leaf single swing

These must not be used as double leaf or double swing doors without supporting test evidence.

Double leaf doors

Single and double swing doors should have plain meeting edges; if rebated, test evidence or assessment will be necessary.

Door stops

The size, type and fixing are unimportant when intumescent seals are used.

Timber door frames

The cross section and density must be equal to that of the test specification.

Steel door frames

A full test report will be required when a timber door leaf is installed within a steel frame.

Aluminium door frames

A full test report will be required where aluminium door frames are installed.

NOTE: If the door frame dimensions are less than those specified in the test report, an assessment will be necessary. Gaps between the frame and wall are to be in-filled.

Seals – intumescent and smoke

For FD20 or FD30, 10mm wide intumescent strips in top and both sides, either in the frame or leaf, will normally be satisfactory.

For FD60 or greater, and concealed intumescent systems, test evidence will be necessary.

SMOKE seals may either be combined with the intumescent seals or separate.

If separate, the smoke seal can be in the frame and intumescent in the door, or vice versa. Seals are not required across the bottom of the door leaves under normal circumstances.

Glazing and other apertures

Glazed apertures should only be incorporated in fire resisting door leaves if there is test evidence to substantiate the use of such glass.

Ironmongery

Details of ironmongery will be required and consultation with Building Control is advised.

Gaps between door leaf and frame

Any gap between the door leaf and frame in excess of 5mm will not be acceptable. The recommended maximum gap of 3mm should not be exceeded.

Door closing devices

A closing device must overcome any latch mechanism, and seals if present.

In the absence of a latch, the door closer becomes part of the ESSENTIAL hardware and must be of the right type (CONFIRMATION SHOULD BE OBTAINED FROM THE SUPPLIER).

CONCEALED (morticed) door closers, e.g. PERKO, must not be fitted unless supported by test evidence for the door construction specified.

Air transfer grilles

Should be fitted only after consultation with Building Control. (Test evidence will be necessary).

Advice is available from Building Control on any of the above mentioned items relating to fire doors.

Tel: London Borough of Enfield Fire Precautions Officer on 020 8379 3623