



Declaration of Suitability for use on Timber Fire Doors

(Fire test WF 335637 incorporating AA45 Concealed Spring Chain Closer)

- Dates of Test: 16/12/2013
- Test Sponsor: Eurospec Architectural Hardware Ltd
Stancliffe Street, Blackburn, BB2 2QR
- Test Location: Exova Warringtonfire
Holmesfield Road, Warrington, WA12DS
- Objective: To determine the fire resistance performance of two single acting, single leaf timber based doorsets, incorporating various items of hardware, mounted within a low density rigid supporting construction in accordance with BS EN 1634-1: 2008.
- Test Procedure: The doorsets are required to provide a fire separating function and were therefore tested in accordance with BS EN 1634-1: 2008 'Fire resistance and smoke control tests for doors, shutters and openable window assemblies and elements of building hardware – Part 1: Fire resistance tests for doors, shutters and openable windows'.
- The specimens were judged on their ability to comply with the performance criteria for integrity of insulation, as required by BS EN 1634-1: 2008.
- The specific purpose of the test was to evaluate the effects of the inclusion of various items of building hardware into a previously tested doorset construction. Because of this, no direct field of application for the doorsets are included.
- Installation: The doorsets incorporating the hardware were mounted within apertures provided within a high density rigid supporting construction. The doorsets were mounted such that they opened towards the heating conditions of the test.
- FS318 intercalated graphite (0.8mm thick) was wrapped around the body, and behind the foreplates of the concealed spring chain closer.
- Representatives of Exova Warringtonfire conducted the preparation and installation of the doorsets.
- Intumescent Protection: FS318 intercalated graphite (0.8mm thick) was wrapped around the body, and behind the foreplates of the concealed spring chain closer.
- Conclusion: AA45 concealed spring chain closer did not affect the integrity of the doorset that it was included within.
- FS318 intercalated graphite (0.8mm thick) was wrapped around the body, and behind the foreplates.
- The AA45 concealed spring chain closer is suitable for consideration for use on 30 minute timber fire doors.

Signed for and on behalf of Carlisle Brass Ltd by Mr Paul Campbell, Technical Manager

Date of issue: 24th November 2015