

WF Report No. 509889A  
Page 1 of 3  
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## Revalidation of WF Test Report No. 309752/A

### 1. Introduction

WF Test Report No. 309752/A relates to a fire resistance test carried out utilising the general principles of BS 476: Part 22: 1987 and in conjunction with BS 476: Part 20: 1987, to determine the fire resistance performance of two specimens of insulated, loft and wall access hatches.

For the purpose of the test the specimens were referenced Specimen A and C. Specimen A was fitted within the wall construction and Specimen C was fitted within the simulated loft ceiling construction.

The aerated concrete blockwork wall construction had overall nominal dimensions of 1500 mm high by 1500 mm wide by 150 mm thick. The wall construction was provided with a single aperture of overall nominal dimensions 205 mm high by 205 mm wide into which was installed the access hatch assembly. The assembly had overall dimensions 200 mm high by 200 mm wide by 30 mm thick.

The loft ceiling construction had overall nominal dimensions of 2200 mm long by 1700 mm and comprised timber joists and fireline board ceiling, provided with a single aperture of overall nominal dimensions 305 mm long by 305 mm wide into which was installed the loft hatch assembly. The assembly had overall dimensions 300 mm long by 300 mm wide by 30 mm thick.

Each hatch was constructed from a layer of mineral wool sandwiched between a single sheet of zinc coated mild steel to the exposed face and a foil sheet to the unexposed face.

The test has demonstrated the ability of both specimens to satisfy the integrity performance criteria for a period of 60 minutes after which time the test was discontinued.

### 2. Confirmation of Specimen

It has been confirmed by The Alumasc Group PLC (t/a Timloc Building Product Ltd.) that there have been no changes to the specification of the construction tested and documented within WF Test Report No. 309752/A.

### 3. Findings from the Test Report

The test was originally conducted utilising the general principles of BS 476: Part 22: 1987 in conjunction with BS 476: Part 22: 1987.

BS 476: Part 22: 1987 'Methods for determination of the fire resistance of non-loadbearing elements of construction'; details test methods for evaluating the fire resistance performance of doorsets. However the standard primarily details the testing of vertical, wall mounted doorsets and although the general testing principles may be applied to a horizontal, floor mounted doorset, a test of this type could not be considered to be fully in accordance with the standard. This test was therefore conducted utilising the general principles of BS 476: Part 20: 1987, 'Method for determination of the fire resistance of elements of construction (general principles)'.

At the time of writing, there remains no specific British or European test method which provides specific guidance on the testing of horizontal doorsets/hatches.

The acceptability of tests performed generally in accordance with BS 476: Part 22: 1987 should be confirmed by the approving authority.

The test was originally conducted against the standard BS 476: Part 22: 1987 in conjunction with BS 476: Part 22: 1987. Both standards remain the current versions. This review covers the results obtained from the specimens of the elements of construction under the conditions covered by the original testing only.

### 4. Conclusion

At present there are no additional resolutions adopted by the Fire Test Study Group since the original test was performed which would affect the manner in which the test would be conducted or the interpretation of the test results.

Since fire tests are the subject of a continuing Standardisation process, and because existing standards are the subject of review and possible amendment and new interpretations, it is recommended that the report be referred back to the test laboratory after a period of five years to ensure that the methodology adopted and the results obtained remain valid in the light of the situation prevailing at that time.

Given the findings noted in Section 3, the procedures adopted for the original test have been re-examined and are deemed suitably similar to those currently in use.

Therefore, with respect to the fire resistance test review report referenced WF Test Report No. 309752/A its contents should remain valid until 1<sup>st</sup> December 2026.

## 5. Limitations

The test report has been reviewed in-so-far as possible, based upon the information contained within the document as well as available information held on file. It is necessarily dependant, therefore, on the accuracy and completeness of the information in our possession.

Performed by:



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\* For and on behalf of Warringtonfire

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