

WF Report No. 509889B
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10th November 2021

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Revalidation of WFRC Test Report No. 143333

1. Introduction

WFRC Test Report No. 143333 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 a specimen of a loft access hatch.

The test construction had overall nominal dimensions of 1200 mm by 1200 mm and comprised a section of timber joisted, fireline board ceiling into which was installed the loft hatch assembly. The assembly had overall dimensions 745 mm long by 530 mm wide by 22 mm thick and provided a clear opening of dimensions 450 mm by 535 mm.

The assembly was constructed from a layer of mineral wool referenced 'Rocksil 45' 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 the specimen to satisfy the integrity performance criteria for a period of 90 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 WFRC Test Report No. 143333.

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 WFRC Test Report No. 143333 its contents should remain valid until 1st 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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