

WF Report No. 416238
Page 1 of 2
26th July 2019

Samuel Heath & Sons PLC
Leopold Street
Birmingham
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For the attention of Mr A Daniels

Review of Fire Test Report Referenced WARRES No. 63269

1 Introduction

The report referenced WARRES No. 63269 relates to a fire resistance test performed in accordance with BS 476: Part 22: 1987, clause 6 on two specimens of fully insulated single-acting, single-leaf timber based doorsets.

The doorsets were referenced Doorset A and Doorset B for the purpose of the test. Each doorset had overall nominal dimensions of height 2034 mm and width 850 mm and incorporated a leaf of size 1981 mm high by 762 mm wide by 44 mm thick. The leaf of Doorset A included a tubular chipboard core whilst the core of Doorset B was of a solid flaxboard construction. Each doorset was fitted with a jamb-mounted R1 'Perko' and a R85 'Perkomatic' concealed door closer.

The doorsets were mounted within apertures in a masonry wall assembly such that their door leaves opened toward the heating conditions of the test. Each door leaf was secured in the closed position with a surface mounted shoot bolt.

Each specimen satisfied the performance requirements specified in clause 6 of BS 476: Part 22: 1987 for fully insulated doorsets for the following periods:

	Doorset A	Doorset B
Integrity	28 minutes*	29 minutes*
Insulation	28 minutes*	29 minutes*

The test was discontinued after a period of 32 minutes.

* Integrity failure of both doorsets occurred remotely from the door closers. The integrity of the doors in the immediate vicinity of the door closers was maintained for the full duration of the test with respect to BS 476: Part 20: 1987.

2 Confirmation of Specification

It has been confirmed by Samuel Heath & Sons PLC that there have been no changes to the specification of the R1 'Perko' and R85 'Perkomatic' concealed door closers or their methods of installation since the test was conducted.

3 Conclusions

The procedures adopted for the original test have been re-examined and are similar to those currently in use. Therefore, with respect to the fire resistance test report referenced WARRES No. 63269 the contents should remain valid until the 1st August 2024.

4 Validity

This review is based on information used to formulate the original test report. No other information or data has been provided by Samuel Heath & Sons PLC which could affect this review.

Performed by:



R Anning*
Principal Certification Engineer

Reviewed By:



M Tolan*
Certification Engineer

* For and on behalf of **Warringtonfire**

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