

**Fire Resistance Test in Accordance
with BS EN 1634-1: 2000, on Two
Specimens of Fully Insulated,
Single-Acting, Single-Leaf Doorsets
Which each incorporated a “ R100” door closer**

Test Sponsor

Samuel Heath & Sons Plc



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Report	Name	Signature*
Responsible Officer	C. Johnson	
Approved	S. Hankey	

* For and on behalf of Warrington Fire Research Centre

Report Issued: 4th January 2001

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Summary

Two specimens of fully insulated, single acting, single-leaf doorset, mounted within a masonry wall, have been subjected to a test in accordance with BS EN 1634-1: 2000, to determine their fire resistance performance.

For the purpose of the test the specimens were referenced 'Doorset A' and 'Doorset B'. Doorset B was positioned such that it opened towards the heating conditions of the test and Doorset A was positioned such that it opened away from the heating conditions. Both doorsets were unlatched for the duration of the test.

Each doorset had overall dimensions of 2015 mm high by 822 mm wide and incorporated a flaxboard cored door leaf of overall dimensions of 1981 mm high by 761 mm wide by 43 mm thick. Both doorsets also incorporated a door closer referenced 'R100', such that the body was inserted into the door leaf, with the centre of the closer body positioned at 700 mm above the doorset threshold.

The specimens satisfied the performance requirements specified in BS EN 1634-1: 2000, for fully insulated doorsets, for the following periods:

		Doorset A	Doorset B
Integrity	Sustained flaming	33 minutes	29 minutes
	Gap gauge	-	-
	Cotton pad	25 minutes	23 minutes
Insulation		25 minutes	23 minutes

The integrity failures of each doorset occurred in areas not associated with the door closers and the integrity of each doorset in the door closer area, was maintained for the full duration of the test.

The test was discontinued after a period of 33 minutes.

Date of Test: 21st July 2000