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Testing. Advising. Assuring.

**Title:**

The fire resistance performance of two single-acting, single-leaf doorsets incorporating various items of hardware tested in accordance with BS EN 1634-1:2014

**Report No:**

371590



**Prepared for:**

**Consort Architectural  
Hardware Limited**  
29-31 Lower Loveday St,  
Birmingham B19 3SB

**Date:** 16<sup>th</sup> December 2016

**Notified Body No:**

0833



## Summary

**Objective** To determine the fire resistance performance of two single-acting, single-leaf doorsets incorporating various items of hardware in accordance with BS EN 1634-1: 2014.

**Test Sponsor** **Consort Architectural Hardware Limited**  
29-31 Lower Loveday St, Birmingham B19 3SB

**Summary of Tested Specimens** For the purpose of the test the doorsets were referenced **Doorset A** and **Doorset B**.

**Doorset A** had overall nominal dimensions 2080 mm high by 1000 mm wide incorporating a door leaf with overall dimensions 2040 mm high by 936 mm wide by 44 mm thick. The door leaf was of a solid graduated density chipboard construction, with 8 mm hardwood lippings to the vertical edges and was hung within a softwood frame. The doorset incorporated the following hardware:

Item Number	Description	Reference
6	3 No Consort Stainless Steel Butt	CBH105
9	Consort mortice lock	CH 8540F
11	Consort Stainless Steel Handle Set	CH 929
10	Consort Brass Double Cylinder	GL 780.2
8	Consort recessed pull handle fitted to the exposed face of the leaf	CFP3
13	Consort recessed pull handle fitted to the exposed face of the leaf	CFP1
7	Consort Door Viewer	CDV35
14	Raven Door Seal	A78SICLS RP78Si

**Doorset B** had overall nominal dimensions 2080 mm high by 1000 mm wide incorporating a door leaf with overall dimensions 2036 mm high by 935 mm wide by 54 mm thick. The door leaf was of a solid graduated density chipboard construction, with 8 mm hardwood lippings to the vertical edges and was hung within a hardwood frame. The doorset incorporated the following hardware:

Item Number	Description	Reference
6	3 No Consort Stainless Steel Butt	CBH105
9	Consort mortice lock	CH 8540F
12	Consort Stainless Steel Handle Set	CH 100
10	Consort Brass Double Cylinder	GL 780.2
8	Consort recessed pull handle fitted to the exposed face of the leaf	CFP3
7	Consort Door Viewer	CDV35
14	Raven Door Seal	A78SICLS RP78Si

Both doorsets were installed so that they opened towards the heating conditions and were latched for the duration of the test.

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<b>Test Results:</b>		<b>Doorset A</b>	<b>Doorset B</b>
<b>Integrity performance</b>	Sustained flaming	36 minutes <sup>#</sup>	62 minutes
	Gap gauge	36 minutes <sup>#</sup>	62 minutes <sup>**</sup>
	Cotton Pad	36 minutes <sup>#</sup>	62 minutes

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<b>Insulation performance</b>		36 minutes <sup>#</sup>	62 minutes
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The test was discontinued after a period of 65 minutes.  
<sup>#</sup>Specimen blanked off to allow the test to continue.  
<sup>\*\*</sup>Section of door extinguished to allow the test to continue.

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**Date of Test:** 17<sup>th</sup> September 2016

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## Signatories


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\* For and on behalf of **Exova Warringtonfire**.

Report Issued

Date: 16<sup>th</sup> December 2016

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