


## Declaration to Supplement Fire Test Report No. WF 356837

(test incorporated CEAM 3D Concealed Hinge, Carlisle Brass reference CI001131 )

<b>Date of Test:</b>	28/09/2015												
<b>Test Sponsor:</b>	Carlisle Brass Ltd Stancliffe Street, Blackburn, BB2 2QR												
<b>Test Location:</b>	Exova Warringtonfire Holmesfield Road, Warrington, WA1 2DS												
<b>Objective:</b>	To determine the fire resistance performance of two single acting, single leaf timber based doorsets, incorporating various items of hardware, mounted within a low density rigid supporting construction in accordance with BS EN 1634-1: 2014.												
<b>Test Procedure:</b>	<p>The doorsets are required to provide a fire separating function and were therefore tested in accordance with BS EN 1634-1: 2014 'Fire resistance test doors and shutter assemblies – Part 1: Fire doors and shutters'.</p> <p>The specimens were judged on their ability to comply with the performance criteria for integrity of insulation, as required by BS EN 1634-1: 2014.</p> <p>The specific purpose of the test was to evaluate the effects of the inclusion of various items of building hardware into a previously tested doorset construction. Because of this, no direct field of application for the doorsets are included.</p>												
<b>Installation:</b>	<p>The doorsets incorporating the hardware were mounted within apertures provided within a high density rigid supporting construction. The doorsets were mounted such that they opened towards the heating conditions of the test.</p> <p>Representatives of Exova Warringtonfire conducted the preparation and installation on the 25<sup>th</sup> September 2015</p>												
<b>Intumescent Protection:</b>	<p>2 no. Seals (graphite based intumescent within a polyvinyl chloride (PVC) carrier, 15mm wide x 4mm deep carrier) self-adhesive fixed within grooves 8mm apart along the rebate of the door frame jambs and head. Both the outer and inner seals were interrupted at the hinges.</p> <p>Intumescent pack ES1131 (0.8mm intercalated graphite sheet) was used to line the mortice of all hinge leaves, and under the cover clips.</p>												
<b>Conclusion:</b>	<p>Time:</p> <p>Mins. Secs.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">61</td> <td style="width: 5%;">00</td> <td>Cotton pad test carried out at bottom hinge position – failed to ignite</td> </tr> <tr> <td>63</td> <td>00</td> <td>Cotton pad test carried out at bottom hinge position – failed to ignite</td> </tr> <tr> <td>66</td> <td>00</td> <td>Sustained flaming at the head of the Doorset</td> </tr> <tr> <td>66</td> <td>07</td> <td>Test discontinued at the clients request</td> </tr> </table>	61	00	Cotton pad test carried out at bottom hinge position – failed to ignite	63	00	Cotton pad test carried out at bottom hinge position – failed to ignite	66	00	Sustained flaming at the head of the Doorset	66	07	Test discontinued at the clients request
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Signed for and on behalf of Carlisle Brass Ltd by:													
	Mr Paul Campbell Technical Manager  Date of issue: 9 <sup>th</sup> November 2015												