

**Corrigenda to the Clauses E9.1 and 9.2 of
Code of Practice for Fire Safety in Buildings 2011 (April 2012 version)
Issued on 22 January 2013**

Item	Clause/Table /Diagram No	April 2012 version	Proposed Amendments	Remarks
1.	Clauses E9.1 and E9.2	<p>Subsection E9 – Smoke Leakage for Fire Rated Doors and Doors with Smoke Seals</p> <p>Clause E9.1</p> <hr/> <p>To determine the quantity of smoke leakage through a fire rated door or door with smoke seal, the door should be tested in accordance with the following applicable standards:</p> <p>(a) BS EN 1634-3:2004, <i>Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Smoke control test for door and shutter assemblies</i>;</p> <p>(b) BS EN 14600:2005, <i>Doorsets and openable windows with fire resisting and/or smoke control characteristics. Requirements and classification</i>;</p> <p>(c) The leakage rate of a fire door assembly at ambient temperature (air temperature of $25 \pm 15^{\circ}\text{C}$) should be tested to ISO 5925-1:2007, <i>Fire tests - Smoke-control door and shutter assemblies - Part 1: Ambient- and medium-temperature leakage tests</i>;</p>	<p>Subsection E9 – Smoke Leakage for Doors with Smoke Seal</p> <p>Clause E9.1</p> <hr/> <p>Doors with smoke seal should be tested at ambient temperature and medium temperature and demonstrated to comply with the smoke leakage rate criteria in accordance with the following applicable standards:</p> <p>(a) BS EN 1634-3:2004, <i>Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Smoke control test for door and shutter assemblies</i>;</p> <p>(b) BS EN 14600:2005, <i>Doorsets and openable windows with fire resisting and/or smoke control characteristics. Requirements and classification</i>;</p> <p>(c) ISO 5925-1:2007, <i>Fire tests - Smoke-control door and shutter assemblies - Part 1: Ambient- and medium-temperature leakage tests</i>;</p> <p>(d) UL 1784:2009, <i>UL Standard for safety air leakage tests of</i></p>	<p>To better reflect that doors with smoke seal should be tested at ambient temperature and medium temperature.</p> <p>The acceptance criteria for a door with smoke seal in Clause E9.2 is <u>deleted</u> since smoke leakage rate criteria have already been defined in the relevant testing standards.</p>

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		<p>(d) The leakage rate of a fire door assembly at medium temperature (air temperature of $200 \pm 20^{\circ}\text{C}$) to be tested to:</p> <p>(i) UL 1784:2009, <i>UL Standard for safety air leakage tests of door assemblies</i>; or</p> <p>(ii) AS 1530:Part 7:2007, <i>Methods for fire tests on building materials, components and structures- Smoke control assemblies. Ambient and medium.</i></p> <p>Clause E9.2</p> <hr/> <p>The acceptance criteria for a door with smoke seal are:</p> <p>(a) Flow through the door should be less than $3\text{m}^3/\text{hour}$ per metre at an atmospheric pressure of 25 pa/LM.</p> <p>(b) For doors that are required to have an FRR, high temperature smoke seals that are able to resist temperature greater than 200°C for more than 30 minutes should be used.</p> <p>(c) For doors that are required to be smoke sealed but not required to have an FRR, low and medium temperature smoke seals that are able to resist temperature up to 200°C for 30 minutes should be used.</p>	<p><i>door assemblies;</i></p> <p>(e) AS 1530:Part 7:2007, <i>Methods for fire tests on building materials, components and structures- Smoke control assemblies. Ambient and medium.</i></p> <p>Clause deleted.</p>	