

# New standard for prevention of cooktop fires

Friday, February 20, 2015

<p><b>Background</b></p>	<p>Incorrect use of cooktops has for many years been one of the most frequent reasons for fires originated by electrical appliances.</p> <table border="1" data-bbox="488 398 1430 674"> <tr> <td data-bbox="488 398 1027 674"> <p>A Working Group within the European standardisation organisation Cenelec has, based on a mandate from the European Commission and the European Free Trade Association, developed a safety standard for protective devices for fire prevention</p> </td> <td data-bbox="1027 398 1430 674"></td> </tr> </table>	<p>A Working Group within the European standardisation organisation Cenelec has, based on a mandate from the European Commission and the European Free Trade Association, developed a safety standard for protective devices for fire prevention</p>	
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<p><b>Standard available</b></p>	<p>EN 50615:2015 is ratified and will be available 2015-03-06. Date of withdrawal (dow) for this standard, i.e. latest date by which national standards conflicting with this EN have to be withdrawn, is 2018-01-05.</p>		
<p><b>Relation to EN 60335-1</b></p>	<p>The European Standard EN 50615 applies in conjunction with EN 60335-1:2012 and its amendments, and supplements or modifies the corresponding clauses of this standard.</p> <p>EN 60335-1:2012; Household and similar electrical appliances Safety - Part 1: General requirements</p>		
<p><b>Scope of the standard</b></p>	<p>The standard deals with the safety of electric devices used for detection, prevention and suppression of fire originated:</p> <ul style="list-style-type: none"> <li>• From a cooking process, or</li> <li>• From flammable material left on the hob</li> </ul>		
<p><b>Categories of fire protection devices defined by this standard</b></p>	<p>Category A Device for extinguishing and simultaneous power cut-off of the appliance</p> <p>Category B Device for preventive power cut-off of the appliance</p> <p>Category AB Device for preventive power cut-off of the appliance, followed by extinguishing, if flame occurs</p>		

<p><b>Test equipment / conditions required by the standard</b></p>	<ul style="list-style-type: none"> <li>• A test room having a volume between 20 m<sup>3</sup> and 30 m<sup>3</sup></li> <li>• Possibility to adjust the temperature in the test room to 40 °C</li> <li>• A hob with six hob elements, as defined in EN 60335-2-31:2003 (standard for range hoods)</li> <li>• A hob with four elements, as defined in EN 60335-2-31:2003</li> <li>• Pans, as defined in 60335-2-6:2003 (standard for cooking ranges, ovens, hobs)</li> <li>• Sunflower oil</li> <li>• Base cabinets (kitchen furniture)</li> </ul>
<p><b>Additional information</b></p>	<p>The Norwegian standard NEK 400:2014, Electrical low voltage installations, already requires protection systems according to this standard to be mounted in new installations. NEK 400 only recognizes category B and AB devices, meaning that it is requested that the device reacts and cut the power to the appliance <u>before</u> a fire starts.</p>

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