BSI fire testing and certification for fire products

Fire standards – testing and certification service.

Fire Brigade Equipment

Standard	Description	Marking
BS 336:2010	Specification for fire hose couplings and ancillary equipment.	Kitemark
BS 750:2012	Specification for underground fire hydrants and surface box frames and covers.	Kitemark
BS 5041-1:1987	Fire hydrant systems equipment – Part 1: Specification for landing valves for wet risers.	Kitemark
BS 5041-2:1987	Fire hydrant systems equipment – Part 2: Specification for landing valves for dry risers.	Kitemark
BS 5041-3:1975	Fire hydrant systems equipment – Part 3: Specification for inlet breechings for dry riser inlets.	Kitemark
BS 6391:2009	Specification for non-percolating layflat delivery hoses and hose assemblies for fire fighting.	Kitemark
BS EN 14339:2005	Underground fire hydrants.	Kitemark + CE
BS EN 14540:2005	Fire-fighting hoses — Non-percolating layflat hoses for fixed systems.	Kitemark + CE
BS EN 694:2014	Fire-fighting hoses – Semi-rigid hoses for fixed systems.	Kitemark + CE
BS EN 14384:2005	Pillar Fire Hydrant.	Kitemark + CE
BS EN 15182-2:2007 +A1:2009	Hand-held branchpipes for fire service use – Part 2: Combination branchpipes PN 16.	Kitemark
BS EN 15182-3:2007 +A1:2009	Hand-held branchpipes for fire service use – Part 3: Smooth bore jet and/or one fixed spray jet angle branchpipes PN 16.	Kitemark
BS EN 15182-4:2007 +A1:2009	Hand-held branchpipes for fire service use – Part 4: High pressure branchpipes PN40.	Kitemark
BS EN 15767-2:2009	Portable equipment for projecting extinguishing agents supplied by fire fighting pumps. Portable monitors – Part 1: General requirements for portable monitor assemblies.	Kitemark
BS EN 15767-3:2010	Portable equipment for projecting extinguishing agents supplied by fire fighting pumps. Portable monitors – Part 3: Foam devices.	Kitemark

Fire Extinguishers

Standard	Description	Marking
BS EN 1866-1:2007	Mobile fire extinguishers — Part 1: Characteristics, performance and test methods.	Kitemark + CE
BS EN 1866-2:2014	Mobile fire extinguishers — Part 2: Requirements for the construction, pressure resistance and mechanical tests for extinguishers, with a maximum allowable pressure equal to or lower than 30 bar, which comply with the requirements of EN 1866-1.	Kitemark + CE
BS EN 1866-3:2013	Mobile fire extinguishers — Part 3: Requirements for the assembly , construction and pressure resistance of CO2 extinguishers which comply with the requirements of EN 1866-1.	Kitemark + CE
BS EN 3-7:2004 +A1:2007	Characteristics, performance requirements and test methods.	Kitemark + CE
BS EN 3-8:2006	Additional requirements to EN 3-7 for the construction, resistance to pressure and mechanical tests for extinguishers with a maximum allowable pressure equal to or lower than 30 bar.	Kitemark + CE
BS EN 3-9:2006	Additional requirements to EN 3-7 for pressure resistance of CO2 extinguishers.	Kitemark + CE

Fire Extinguishers – *continued*

Standard	Description	Marking
BS EN 3-10:2009	Provisions for evaluating the conformity of a portable fire extinguisher to EN 3-7.	Kitemark + CE
BS 6165:2002	Specification for small disposable fire extinguishers of the aerosol type.	Kitemark
PAS 2013-1:2013	Liquid fire-extinguishing media – Part 1: Hand-applied units for use on Class F fires (up to 3l or up to 5l cooking media).	Kitemark

Fire Blankets

Standard	Description	Marking
BS EN 1869:1997	Fire blankets.	Kitemark

Hose Reels

Standard	Description	Marking
BS EN 671-1:2012	Fixed firefighting systems – Hose systems Part 1: Hose reels with semi-rigid hose.	Kitemark + CE
BS EN 671-2:2012	Fixed firefighting systems — Hose systems Part 2: Hose systems with lay-flat hose.	Kitemark + CE

Fire Extinguishing Systems

Standard	Description	Marking
BRL-K23001/04	Evaluation Guideline for fixed dry aerosol fire extinguishing components.	Kitemark
BS EN 15004-1:2008	Fixed fire fighting systems – Gas extinguishing systems – Part 1: Design, installation and maintenance.	Kitemark

BAFE Standards*

Standard	Description
SP101/ST104	Contract Maintenance of Portable Fire Extinguishers incorporating Registered Fire Extinguisher Service Technicians.
SP203-1	Fire Detection and Alarm Systems – system design, installation, commissioning and maintenance.
SP203-3	Fixed Gaseous Fire Suppression Systems – system design, installation, commissioning and maintenance.
SP203-4	Emergency Lighting Systems – system design, installation, commissioning and maintenance.

* Applicable to UK only

Fire Detection and Fire Alarm Devices for Dwellings

Standard	Description	Marking
BS 5446-2:2003	Fire detection and fire alarm devices for dwellings. Part 2: Specification for heat alarms.	Kitemark
BS 5446-3:2005	Fire detection and fire alarm devices for dwellings – Part 3: Specification for smoke alarm kits for deaf and hard of hearing people.	Kitemark
BS 5446-3:2015	Detection and alarm devices for dwellings – Part 3: Specification for fire alarm and carbon monoxide alarm systems for deaf and hard of hearing people.	Kitemark
BS EN 50291-1:2010	Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 1: Test methods & performance requirements.	Kitemark

Key: Kitemark and CE marking available on this standard   Kitemark available on this standard   CE marking available for this standard

Fire Detection and Fire Alarm Devices for Dwellings – *continued*

BS EN 50291-2:2010	Electrical apparatus for continuous operation in a fixed installations in recreational vehicles and similar premises including recreational craft — Additional test methods and performance requirements.	♡
BS EN 50194-1:2009	Electrical apparatus for the detection of combustible gases in domestic premises – Test methods and performance requirements.	♡
BS EN 14604:2005	Smoke alarm devices.	♡ CE

Fire Detection and Fire Alarm System Components/Devices

BS EN 54-2:1998	Fire Detection and Fire Alarm Systems – Part 2. Control and Indicating Equipment.	♡ CE
BS EN 54–3: 2001/2014	Fire Detection and Fire Alarm Systems – Part 3. Fire Alarm Devices – Sounders.	♡ CE
BS EN 54-4:1997	Fire Detection and Fire Alarm Systems – Part 4. Power Supply Equipment.	♡ CE
BS EN 54-5:2000	Fire Detection and Fire Alarm Systems – Part 5. Heat Detectors – Point Detectors.	♡ CE
BS EN 54-7:2000	Fire Detection and Fire Alarm Systems – Part 7. Smoke Detectors – Point Detectors using Scattered Light or Ionization.	♡ CE
BS EN 54-10:2002	Fire Detection and Fire Alarm Systems – Part 10. Flame Detectors and Point Detectors.	♡ CE
BS EN 54–11:2001	Fire Detection and Fire Alarm Systems – Part 11. Manual Call Points.	♡ CE
BS EN 54-12:2002	Fire Detection and Fire Alarm Systems – Part 12. Optical Beam Smoke Detectors.	♡ CE
BS EN 54-13:2005	Fire detection and fire alarm systems — Part 13: Compatibility assessment of system components.	♡ CE
BS EN 54-16:2008	Fire Detection and Fire Alarm Systems – Part 16. Voice Alarm Control and Indicating Equipment.	♡ CE
BS EN 54-17:2005	Fire Detection and Fire Alarm Systems – Part 17. Short Circuit Isolator Modules.	♡ CE
BS EN 54-18:2005	Fire Detection and Fire Alarm Systems – Part 18. Input / Output Modules.	♡ CE
BS EN 54-20:2006	Fire Detection and Fire Alarm Systems – Part 20. Aspirating Smoke Detectors.	♡ CE
BS EN 54-21:2006	Fire Detection and Fire Alarm Systems – Part 21. Alarm Transmission and Fault Warning Routing Equipment.	♡ CE
BS EN 54-23:2010	Fire detection and fire alarm systems – Part 23. Fire Alarm Devices – Visual Alarm Systems.	♡ CE
BS EN 54-24:2008	Fire Detection and Fire Alarm Systems – Part 24. Components of Voice – Loud Speaker.	♡ CE
BS EN 54-25:2008	Fire Detection and Fire Alarm Systems – Part 25. Components using Radio Links.	♡ CE
BS EN 12094-1:2003	Fixed Fire Fighting Systems – Components for Gas Extinguishing Systems - Part 1: Requirements and Test Methods for Electrical Automatic Control and Delay Devices.	♡ CE
BS EN 12094-3:2003	Fixed firefighting systems. Components for gas extinguishing systems. Requirements and test methods for manual triggering and stop devices.	♡ CE

Fire Doors

BS EN 16034:2014	Pedestrian doorsets, industrial, commercial, garage doors and openable windows. Product standard, performance characteristics. Fire resisting and/or smoke control characteristics.	♡ CE
BS EN 1634-1:2014	Fire resistance and smoke control tests for door and shutter assemblies, openable windows and elements of building hardware. Fire resistance test for door and shutter assemblies and openable windows.	♡
BS 476-22:1987	Fire tests on building materials and structures. Method for determination of the fire resistance of non-load bearing elements of construction.	♡

Emergency Lighting

BS EN 60598-1:2015	Light fixtures. General requirements and tests.	♡
BS EN 60598-2-22: 2014	LLight fixtures. Particular requirements. Luminaires for emergency lighting.	♡
BS EN 61347-2-7: 2012	Light fixtures. Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained).	♡
BS EN 61347-2-13: 2014	Lamp controlgear. Particular requirements for AC or DC supplied electronic controlgear for LED modules.	♡
BS EN 50171:2001	Central power supply systems.	♡
BS EN 62034:2012	Automatic test systems for battery powered emergency escape lighting.	♡

Fire Alarm – Suppression and Emergency Lighting

BS 5839-1:2013	Fire detection and fire alarm systems for buildings. Code of practice for design, installation, commissioning and maintenance of systems in non-domestic premises.	♡
BS 5839-6:2013	Fire detection and fire alarm systems for buildings. Code of practice for the design, installation, commissioning and maintenance of fire detection and fire alarm systems in domestic premises.	♡
BS 5839-8:2013	Fire detection and fire alarm systems for buildings. Code of practice for the design, installation, commissioning and maintenance of voice alarm systems.	♡
BS EN 15004-1:2008	Fixed firefighting systems. Gas extinguishing systems. Design, installation and maintenance.	♡
BS 5266-1:2011	Emergency lighting. Code of practice for the emergency escape lighting of premises.	♡
BAFE	BAFE approval can also be achieved for the above design, installation and maintenance standards.* ** Applicable to UK only*	♡
NPFA 72:2016	National Fire Alarm and Signalling Code.	♡

We are a Notified Body for the following Directives and Regulation:

Construction Products Regulation (CPR)
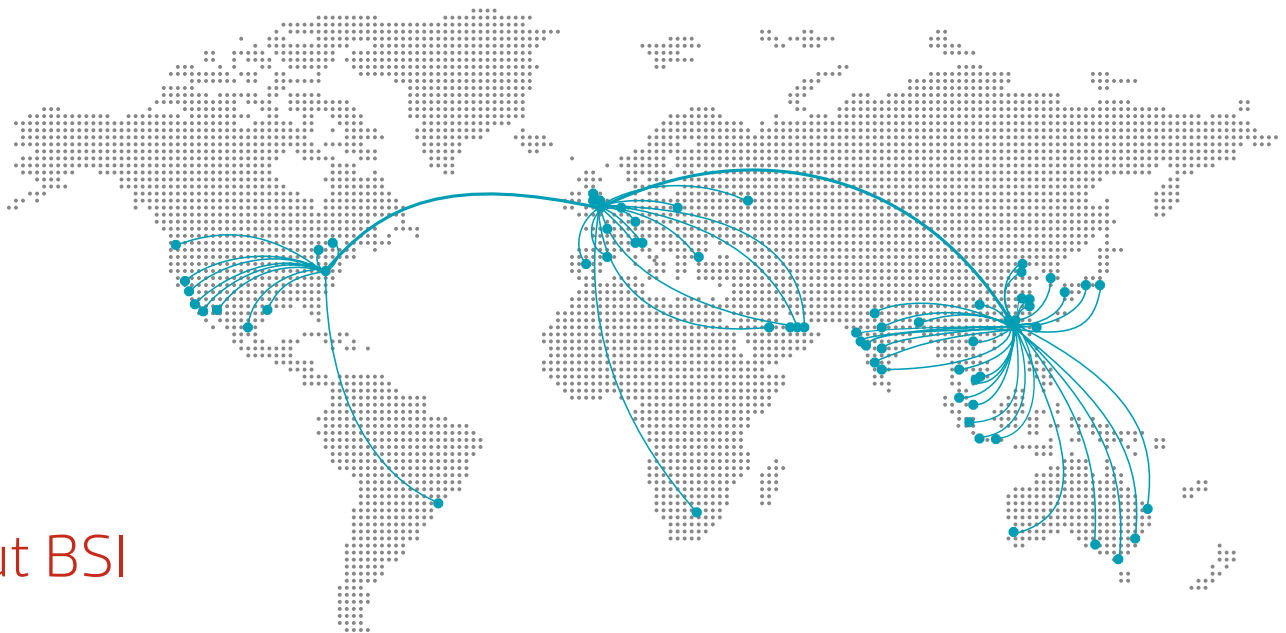
Electro Magnetic Compatibility (EMC)

Low Voltage Directive (LVD)

Marine Equipment Directive (MED)

If you have any questions about certification and testing for fire detection and suppression products, please contact us.
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BSI America
12950 Worldgate Dr
Suite 800
Herndon, VA 20170
USA

T: 1 800 862 4977
E: product.certification@bsigroup.com
bsiamerica.com