



BSI fire testing and certification

















Testing and certification for fire products

bsi.








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Fire standards – that BSI can certify and test










Fire Brigade Equipment

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

Fire Extinguishers

BS EN 1866-1	Mobile fire extinguishers — Part 1: Characteristics, performance and test methods	
BS EN 1866-2	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	
BS EN 1866-3	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	
BS EN 3-7	Characteristics, performance requirements and test methods	
BS EN 3-8	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	
BS EN 3-9	Additional requirements to EN 3-7 for pressure resistance of CO2 extinguishers	
BS EN 3-10	Provisions for evaluating the conformity of a portable fire extinguisher to EN 3-7	








Fire Extinguishers – continued

BS 6165	Specification for small disposable fire extinguishers of the aerosol type	
PAS 2013-1	Liquid fire-extinguishing media – Part 1: Hand-applied units for use on Class F fires (up to 3l or up to 5l cooking media)	
SANS 1910	Portable refillable fire extinguishers	
SANS 1567	Portable rechargeable fire extinguishers – CO2 type extinguishers	
PAS 2013-1	PAS 2013-1 specifies requirements for Liquid Fire-Extinguishing Media – Part 1: Hand-applied units for use on Class F fires (up to 3L or up to 5L cooking media)	
AS/NZS 1850	Portable fire extinguishers — Classification, rating and performance testing	
AS/NZS 1841.1	Portable fire extinguishers. Part 1: General requirements	
AS/NZS 1841.2	Portable fire extinguishers. Part 2: Specific requirements for water type extinguishers	
AS/NZS 1841.3	Portable fire extinguishers. Part 3: Specific requirements for wet chemical type extinguishers	
AS/NZS 1841.4	Portable fire extinguishers. Part 4: Specific requirements for foam type extinguishers	
AS/NZS 1841.5	Portable fire extinguishers. Part 5: Specific requirements for powder type extinguishers	
AS/NZS 1841.6	Portable fire extinguishers. Part 6: Specific requirements for carbon dioxide type extinguishers	
AS/NZS 1841.7	Portable fire extinguishers. Part 7: Specific requirements for vaporising liquid type extinguishers	
AS/NZS 1841.8	Portable fire extinguishers. Part 8: Specific requirements for non-rechargeable type extinguishers	





Fire Blankets

BS EN 1869	Fire blankets	
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Hose Reels

BS EN 671-1	Fixed firefighting systems – Hose systems Part 1: Hose reels with semi-rigid hose	  
BS EN 671-2	Fixed firefighting systems – Hose systems Part 2: Hose systems with lay-flat hose	  
SANS 543	Fire hose reels (with semi-rigid hose)	








Fire Extinguishing Systems

BRL-K23001/04	Evaluation Guideline for fixed dry aerosol fire extinguishing components	
BS EN 15004-1	Fixed fire fighting systems – Gas extinguishing systems – Part 1: Design, installation and maintenance	
Ceiling mounted fire suppression units		
SANS 14520-1		

Fire Extinguishing Media

BS EN 615	Fire protection. Fire extinguishing media. Specifications for powders (other than class D powders)	
BS EN 1568-1	Fire extinguishing media – Foam concentrates – Part 1: Specification for medium expansion foam concentrates for surface application to water-immiscible liquids	
BS EN 1568-2	Fire extinguishing media – Foam concentrates – Part 2: Specification for high expansion foam concentrates for surface application to water-immiscible liquids	
BS EN 1568-3	Fire extinguishing media. Foam concentrates - Part 3. Specification for low expansion foam concentrates for surface application to water-immiscible liquids	
BS EN 1568-4	Fire extinguishing media – Foam concentrates – Part 4: Specification for low expansion foam concentrates for surface application to water-miscible liquids	


























Fire Detection and Fire Alarm Devices for Dwellings

BS 5446-2	Fire detection and fire alarm devices for dwellings. Part 2: Specification for heat alarms	
BS 5446-3	Detection and alarm devices for dwellings – Part 3: Specification for fire alarm and carbon monoxide alarm systems for deaf and hard of hearing people	
BS EN 50291-2	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	Electrical apparatus for the detection of combustible gases in domestic premises – Test methods and performance requirements	
BS EN 14604	Smoke alarm devices	
AS 3786	Smoke alarms using scattered light, transmitted light or ionization	
BS EN 50291-1	Gas detectors. Electrical apparatus for the detection of carbon monoxide in domestic premises. Test methods and performance requirements	







Fire Detection and Fire Alarm System Components/Devices

BS EN 54-2	Fire Detection and Fire Alarm Systems – Part 2. Control and Indicating Equipment	
BS EN 54-3	Fire Detection and Fire Alarm Systems – Part 3. Fire Alarm Devices – Sounders	
BS EN 54-4	Fire Detection and Fire Alarm Systems – Part 4. Power Supply Equipment	
BS EN 54-5	Fire Detection and Fire Alarm Systems – Part 5. Heat Detectors – Point Detectors	
BS EN 54-7	Fire Detection and Fire Alarm Systems – Part 7. Smoke Detectors – Point Detectors using Scattered Light or Ionization	
BS EN 54-10	Fire Detection and Fire Alarm Systems – Part 10. Flame Detectors and Point Detectors	
BS EN 54-11	Fire Detection and Fire Alarm Systems – Part 11. Manual Call Points	
BS EN 54-12	Fire Detection and Fire Alarm Systems – Part 12. Optical Beam Smoke Detectors	
BS EN 54-13	Fire detection and fire alarm systems — Part 13: Compatibility assessment of system components	




Fire Detection and Fire Alarm System Components/Devices – *continued*

BS EN 54-16	Fire Detection and Fire Alarm Systems – Part 16. Voice Alarm Control and Indicating Equipment	
BS EN 54-17	Fire Detection and Fire Alarm Systems – Part 17. Short Circuit Isolator Modules	
BS EN 54-18	Fire Detection and Fire Alarm Systems – Part 18. Input / Output Modules	
BS EN 54-20	Fire Detection and Fire Alarm Systems – Part 20. Aspirating Smoke Detectors	
BS EN 54-21	Fire Detection and Fire Alarm Systems – Part 21. Alarm Transmission and Fault Warning Routing Equipment	
BS EN 54-23	Fire detection and fire alarm systems – Part 23. Fire Alarm Devices – Visual Alarm Systems	
BS EN 54-24	Fire Detection and Fire Alarm Systems – Part 24. Components of Voice – Loud Speaker	
BS EN 54-25	Fire Detection and Fire Alarm Systems – Part 25. Components using Radio Links	
BS EN 12094-1	Fixed Fire Fighting Systems – Components for Gas Extinguishing Systems. Part 1: Requirements and Test Methods for Electrical Automatic Control and Delay Devices	
BS EN 12094-3	Fixed firefighting systems. Components for gas extinguishing systems. Part 3: Requirements and test methods for manual triggering and stop devices	
AS 7240-1	Fire detection and alarm systems - General and definitions	
AS 7240-2	Fire detection and alarm systems – Control and indicating equipment	
AS 7240-3	Fire detection and alarm systems – Audible alarm devices	
AS 7240-4	Fire detection and alarm systems – Power supply equipment	
AS 7240-5	Fire detection and alarm systems – Point type heat detectors	
AS 7240-6	Fire detection and alarm systems - Part 6: Carbon monoxide fire detectors using electro-chemical cells	
AS 7240-7	Fire detection and alarm systems – Point type smoke detectors using scattered light, transmitted light or ionization	
AS 7240-8	Fire detection and alarm systems - Part 8: Carbon monoxide fire detectors using an electro-chemical cell in combination with a heat sensor	
AS 7240-10	Fire detection and alarm systems – Manual call points	
AS 7240-11	Fire detection and alarm systems - Manual call points	
AS 7240-11	Fire detection and alarm systems - Line type smoke detectors using a transmitted optical beam	
AS 7240-13	Fire detection and alarm systems – Compatibility assessment of system components	
AS 7240-15	Fire detection and alarm systems - Part 15: Multisensor fire detectors	
AS 7240-17	Fire detection and alarm systems – Short circuit isolators	
AS 7240-18	Fire detection and alarm systems – Input/output devices	







Fire Detection and Fire Alarm System Components/Devices – continued


AS 7240-20	Fire detection and alarm systems Aspirating smoke detectors	
AS 7240-21	Fire Detection and Alarm Systems Routing Equipment	
AS 7240-22	Fire detection and alarm systems - Smoke-detection equipment for ducts	
AS 7240-23	Fire detection and alarm systems – Visual alarm devices	
AS 7240-24	Fire detection and alarm systems – Sound system loudspeakers	
AS 7240-27	Fire detection and alarm systems – Point type fire detectors using a scattered light, transmitted light or ionization smoke sensor, an electrochemical cell carbon monoxide sensor and a heat sensor	

Fire Doors

BS EN 16034	Pedestrian doorsets, industrial, commercial, garage doors and openable windows. Product standard, performance characteristics. Fire resisting and/or smoke control characteristics	
BS EN 1634-1	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	Fire tests on building materials and structures. Method for determination of the fire resistance of non-loadbearing elements of construction	

Emergency Lighting

BS EN 60598-1	Luminaires. General requirements and tests	
BS EN 60598-2-22	Luminaires. Particular requirements. Luminaires for emergency lighting	
BS EN 61347-2-7	Lamp controlgear. Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)	
BS EN 61347-2-13	Lamp controlgear. Particular requirements for d.c. or a.c. supplied electronic controlgear for LED modules	
BS EN 50171	Central power supply systems	
BS EN 62034	Automatic test systems for battery powered emergency escape lighting	

Key:  BSI Kitemark™, CE and UKCA marking available for this product



BSI Kitemark™ available on this standard



CE marking available on this standard

















UKCA marking available on this standard



BSI Benchmark™ available on this standard (Australia and New Zealand only)

Installation/Servicing Schemes for Fire Detection, Fire Suppression and Emergency Lighting

BS 5839-1	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	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	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	Fixed firefighting systems. Gas extinguishing systems. Design, installation and maintenance	
BS 5266-1	Emergency lighting. Code of practice for the emergency escape lighting of premises	
SANS 1475-1	The production of reconditioned fire fighting equipment – Part 1: portable and wheeled (mobile) rechargeable fire extinguishers	
NPFA 72	National Fire Alarm and Signalling Code	
BAFE SP101*	Contract Maintenance of Portable Fire Extinguishers incorporating Registered Fire Extinguisher Service Technicians	
BAFE SP203-1*	Fire Detection and Alarm Systems – system design, installation, commissioning and maintenance	
BAFE SP203-3*	Fixed Gaseous Fire Suppression Systems – system design, installation, commissioning and maintenance	
BAFE SP203-4*	Emergency Lighting Systems – system design, installation, commissioning and maintenance	
BAFE SP205*	Service and Maintenance of Dry and Wet Riser/Falling Installations	
BAFE SP206*	Design, Installation, Commissioning, Recharge and Maintenance of Kitchen Fire Protection Systems Scheme	
BAFE SP207*	Design, Installation, Commissioning and Maintenance of Evacuation Alert Systems Scheme	

* Applicable to the UK only

We are a Notified Body for the following Directives and Regulation
Construction Products Regulation (CPR)
Marine Equipment Directive (MED)
Pressure Equipment Directive (PED)

If you have any questions about certification and testing for your fire products, please contact us.

Call: **+974 40 29 9001**

Email: **bsi.me@bsigroup.com**



BSI Group
Kitemark Court
Davy Avenue, Knowlhill
Milton Keynes MK5 8PP

T: +44 (0)345 0765 606
F: +44 (0)1908 814920
bsigroup.com

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