

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 0135 Accredited to ISO/IEC 17025:2017	BSI Assurance UK Limited	
	Issue No: 088 Issue date: 08 January 2020	
	BSI Kitemark Court Davy Avenue Knowlhill Milton Keynes MK5 8PP	Sales Enquiry Tel: +44 (0)845 080 9000 Fax: +44 (0)1908 228060 Sales Enquiry Email: Certification.Sales@bsigroup.com BSI Website: www.bsigroup.com Regulatory Contact: Ms Maria Crane Tel: +44 (0)1908 814724 Email: regulatory.enquiries@bsigroup.com
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Kitemark House Maylands Avenue Hemel Hempstead Hertfordshire HP2 4SQ	Local contact Maria Crane Tel: +44 (0)1908 814724 Fax: +44 (0)1908 228060 Email: regulatory.enquiries@bsigroup.com Website: www.bsigroup.com	Polymeric products; Taximeters; Skid-resistance testers; Protective headwear; Eye protection; Respiratory protection devices; Latex products; Fire detection & fire alarm systems; Environmental testing; Lighting & photometry
Address BSI Holywell Park Ashby Road Loughborough Leicestershire LE11 3AQ	Local contact Maria Crane Tel: +44 (0)1908 814724 Fax: +44 (0)1908 228060 Email: regulatory.enquiries@bsigroup.com Website: www.bsigroup.com	Gas Appliance Testing; Electrical Safety; Medical equipment; Electronic equipment & components; Electrical components; Electrical equipment



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Site activities performed away from the locations listed above:

Location details	Activity	Location code
Suitable commercial and industrial premises and sites	Portable fire extinguishers	C

Flexible Scope

The laboratory is accredited to ISO/IEC17025:2005 for testing activities in accordance with the standards highlighted in the schedule. This may also include tests on the same or similar product types against standards, or customer-specified methods that are not specifically listed in this Schedule, providing that:

- (1) The method or standard does not introduce new principles of measurement.
- (2) The method or standard does not require measurements to be made outside the parametric boundaries defined in this Schedule.

Information about flexible scopes of accreditation is available in UKAS document LAB39 and EA document EA-2/05.



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
POLYMERIC PRODUCTS			
Plastics piping systems for water supply, and for drainage and sewerage under pressure.	Dimensional Load: tension and compression Impact Pressure Thermal stability Impact Performance	BS EN 12201-2:2011 +A1:2013 Excluding clauses 5.3 and 8.2 Table 5 (MFR and OIT only) BS EN 12201-3:2003 Excluding clauses 5.6 and 8.2 Table 6 (MFR and OIT only) BS EN 12201-5:2003	A
Plastics piping systems. Polyethylene (PE) pipes and fittings for water supply	Dimensional Temperature / Pressure Physical Properties	BS ISO 4427-2:2007 + A1:2014	
Plastics piping systems for the supply of gaseous fuels	Dimensional Temperature Pressure Physical Properties Markings	BS ISO 4437-2:2014 Excluding: Clause 7.2 Table 4 (RCP) BS ISO 4437-3:2014	
Plastics Piping Systems For Soil And Waste Discharge (Low And High Temperature) Within The Building Structure	Dimensional Load: bending Impact Pressure Thermal stability Performance	BS EN 1055:1996 BS EN 1451-1:2000 Excluding clauses 4.3, 4.5 and 8.1 Table 13 (MFR only) and 9 Table 16 (Long term performance of TPE seals only) BS EN 1455-1:2000 Excluding clause 9 Table 20 (Long term performance of TPE seals only) BS EN 1519-1:2000 Excluding clauses 4.3, 4.5 and 7.1 Table 10 (MFR only) and 8 Table 13 (Long term performance of TPE seals only) BS EN 1565-1:2000 Excluding clause 9 Table 19 (Long term performance of TPE seals only) BS EN 1566-1:2000 Excluding clause 9 Table 20 (Long term performance of TPE seals only)	A



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POLYMERIC PRODUCTS (cont'd)			
Hot And Cold Water Pipes	Dimensional Endurance Impact Pressure	BS 7291-1:2010 excluding Clauses 6.5 Cyclic Pressure, 6.6 Opacity and 6.7 Oxygen Permeability BS 7291-2:2010 BS 7291-3:2010	A
Pvc-U Pressure Pipes And Fittings	Dimensional Load: tension and compression Impact Pressure Thermal stability Performance	BS EN ISO 1452-2:2009 Excluding Clause 4.2 Density BS EN ISO 1452-3:2009 Excluding Clauses 4.2 Density and 8.2 Crush Tests BS EN 1452-5:2000 Excluding clause 4.3	A
White Upvc Plastic With Welded Corner Joints - Materials Type A	Dimensional Load: bending and tensile Thermal stability Impact (Non-instrumented method only) Performance	BS EN 12608-1:2016 Excluding clause 5.8.1 BS 7619:1993 BS EN ISO 179-1:2001	A
Sharps Containers	Dimensional Impact Performance	BS EN ISO 23907:2012 AS 4031:1993	A



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<p>POLYMERIC PRODUCTS (cont'd)</p> <p>Conduits And Fittings For Electrical Installations</p> <p>Metallic And Non-Metallic Rigid Plain Conduit Of Insulating Material</p> <p>Official Identification Ear Tags For Cattle, Sheep And Goats</p>	<p>Construction requirements Dimensional Load: tension and compression Pressure Thermal stability Performance</p> <p>Mechanical & Performance tests</p>	<p>BS 4568-1:1970 BS 4662:2006 BS EN 50086-2-4:1994 BS EN 61386-1:2004 (superseded) BS EN 61386-1:2008 BS EN 61386-21:2004 BS EN 61386-22:2004 BS EN 61386-23:2004</p> <p>PAS 44:2009 Excluding clause 4.1.3 PAS 66:2014 Excluding clause 4.3</p>	<p>A</p> <p>A</p>
<p>ENGINEERING INDUSTRIAL PRODUCTS</p> <p>Galvanised Products</p> <p>Manhole Covers, Road Gully Gratings, Frames And Linear Drainage (Classes A To D)</p>	<p>Determination of galvanising mass per unit area</p> <p>Construction requirements Dimensional Performance</p>	<p>BS EN ISO 1460:1995</p> <p>BS EN 124:1994 BS EN 1433:2002 PAS 26:1998</p>	<p>A</p> <p>A</p>



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ENGINEERING INDUSTRIAL PRODUCTS (cont'd)			
Portable Fire Extinguishers	Capacity Construction requirements Dimensional Electrical resistance Finish Impact Mass Performance Resistance to shock and mechanical damage Retention of charge following partial discharge Pressure Thermal stability Tamping Discharge Corrosion resistance	BS EN 3:1996 Excluding Part 1, Clause 7, Part 2, Clause 4, Part 3, Clause 11, Part 5, Clause 4.7.3 BS EN 3-7:2004 + A1:2007 Excluding Clause 9 BS EN 3-10:2009 Annex C, Reports only BS EN 1866-1:2007 Excluding clause 8.2 BS 6165:2002 Clauses 4.1, 4.2, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9, 6.2, 7.1, 7.2, 7.3, 7.4, 7.5 and 9. AS/NZS 1841-1:2007 excluding clauses 5.4, 6.8, 6.13 and 10 AS/NZS 1841-2:2007 AS/NZS 1841-3:2007 AS/NZS 1841-4:2007 AS/NZS 1841-5:2007 AS/NZS 1841-6:2007 AS/NZS 1841-7:2007 AS/NZS 1841-8:2007 AS/NZS 1850:2009	A
Fixed firefighting systems - Hose systems - Hose reels with semi-rigid hose	Construction requirements Dimensional Performance Pressure	BS EN 671-1:2012 Excluding Annex C BS EN 671-1:1995 (Withdrawn) Excluding clause 9.2	A
Fixed firefighting systems - Hose systems - Hose systems with lay-flat hose	Construction requirements Dimensional Performance Pressure	BS EN 671-2:2012	A



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ENGINEERING INDUSTRIAL PRODUCTS (cont'd)			
Fire-fighting hoses. Non-percolating layflat hoses for fixed systems	Dimensional Temperature Pressure Performance Marking	BS EN 14540:2014	A
Specification for underground fire hydrants and surface box frames and covers	Construction requirements Dimensional Performance	BS 750:2012	A
Pillar fire hydrants	Construction requirements Dimensional Performance Marking	BS EN 14384:2005	A
Fire hydrant systems equipment - Specification for landing valves for wet risers	Construction Requirements Dimensional Marking	BS 5041-1:1987 inc. amd 1, excluding clauses 4.3, 6, 8, 18, 19, 22, 23, 24, 26 and 27	A
Fire hydrant systems equipment - Specification for landing valves for dry risers	Construction Requirements Dimensional Performance Marking	BS 5041-2:1987 inc. amd 1, excluding clauses 5, 7 and 17	A
Fire hydrant systems equipment - Specification for Inlet breechings for dry riser inlets	Construction Requirements Dimensional Performance Marking	BS 5041-3:1975 inc. amd 1, excluding clauses 4.3, 4.4 and 10	A
Specification for fire hose couplings and ancillary equipment	Dimensional Pressure Performance Marking	BS 336:2010	A
Semi-Rigid Hose	Pressure Dimensional Performance	BS EN 694:2014	A



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ENGINEERING INDUSTRIAL PRODUCTS (cont'd)			
Lay-flat hoses	Dimensions Mass Hydrostatic pressure Adhesion Moisture absorption Flexibility Heat aging Hot surface resistance Abrasion resistance Oil resistance Hose assembly – couplings & leakage checks Markings	BS 6391:2009 Clause 6 BS 6391:2009 Clause 7 BS 6391:2009 Clause 8.1 BS 6391:2009 Clause 8.2 BS 6391:2009 Clause 8.3 BS 6391:2009 Clause 8.4 BS 6391:2009 Clause 8.5 BS 6391:2009 Clause 8.6 BS 6391:2009 Clause 8.8 BS 6391:2009 Clause 8.9 BS 6391:2009 Clause 10.3 only BS 6391:2009 Clause 11	A
Hose Clamps (Worm Drive Type)	Construction requirements Dimensional Finish: coating thickness Load: torque Performance	BS 5315:1991	A
Surface boxes, guards and underground chambers for the purposes of utilities. Specification for surface boxes	Construction requirements Dimensional Performance	BS 5834-2:2011	A
Valves (Engineering)	General: Construction requirements Dimensional Finish Performance Pressure	BS EN 12266:Part 1:2003 BS EN 12266:Part 2:2002(E) Excluding Annex B2, Clause 4 Table ref to: Anti Static Design at 12V Anti Static Design at 100V Fire Test Design	A



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ELECTRIC AND HYDRAULIC LIFT COMPONENTS:	<u>Electrical Tests</u> Landing door locking devices	Appendix F.1 of standards BS EN 81-21:2018	A
	<u>Environmental Tests</u> Safety Circuits	Appendix F.6 of standards BS EN 81-21:2018 BS EN 81-50:2014	A
TAXIMETERS Tariff Testing	Electronic taximeters Bench tests for distance and time Environmental Supply voltage variation	OIM R21 2007 Transport for London Public Carriage Office Taximeter Specification 2017	A
SKID-RESISTANCE TESTERS	Comparative testing	BS 812-114:1989 Clause 5.2 only BS 7976-1:2002 + A1:2013 BS 7976-2:2002 + A1:2013 BS 7976-3:2002 + A1:2013 BS EN 1097-8:2009 clause 7.3 and Annex D BS EN 13036-4:2011 Clause 6 and Annex A.3 only	A
PROTECTIVE HEADWEAR	Mechanical, Physical and Practical Performance Tests Visual Inspection		
Industrial Safety Helmets	Excluding Molten metal splash	BS EN 397:2012+A1:2012	A
Industrial Bump Caps		BS EN 812:2012	A
Roller Skaters, Skateboards, Pedal Cyclists' Helmets		BS EN 1078:2012+A1:2012	A



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PROTECTIVE HEADWEAR (cont'd)	Mechanical, Physical and Practical Performance Tests Visual Inspection		
Helmets For Equestrian Activities		BS EN 1384:2012 PAS 015:1998 (withdrawn) PAS 015:2011	A
Helmets For Canoeing And White Water Sports		BS EN 1385:1998 (withdrawn) BS EN 1385:2012	A
Protective Helmets For Vehicle Users		ECE Reg. 22.05 excluding visors BS 6658:1985(1995) Australian standard: AS/NZ 1698:2006	A
Cricketers Helmets		BS 7928:2013 + Corr 1 Excluding clause 6.2	A
Helmets For Airborne Sports		BS EN 966:1996 (withdrawn) BS EN 966:2012+A1:2012	A
Helmets For Alpine Skiers		BS EN 1077:1996 (withdrawn) BS EN 1077:2007	A
Protective Headware for UK Police	Batch / Audit testing only (Penetration testing equipment, Impact drop tower and dimensional measurement equipment)	Publication Number 21/04 PSDB Protective Headware Standard for UK Police 2004	A
Helmets for Mountaineers	Impact energy, size, fit and retention	BS EN 12492:2012	A
Electrically Insulated Helmets	Conductivity, impact energy, size, fit and retention	BS EN 50365:2002	A
Industrial Helmets	Impact energy, size, fit and retention	BS EN 14052:2012	A



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EYE PROTECTION			
Eye Protectors For Motor Cyclists And Racing Car Drivers	Mechanical & Optical	BS 4110:1979 (Withdrawn) AS 1609:1981	A
Surface Swimming Goggles	Mechanical Tests	BS 5883:1996	A
Personal & Industrial Eye Protection	Mechanical and Optical tests	BS EN 166:2002 excluding clauses 7.3.2 and 7.3.3 EN 166:2001 BS EN 167:2002 Excluding clause 4.2.1, 8 BS EN 168:2002 Excluding clause 3.1 & 4, 16	A
RESPIRATORY PROTECTION DEVICES	Mechanical, physical and practical performance tests including visual inspection and marking		
Half Masks And Quarter Masks For Respiratory Protective Devices		BS EN 140:1999	A
Particle Filters Used In Respiratory Protective Equipment		BS EN 143:2000	A
Filtering Half Masks To Protect Against Particles		BS EN 149:2001 + A2:2009	A
Full Face Masks		BS EN 136:1998	A
Self-contained open-circuit compressed air breathing apparatus with full face mask		BS EN 137:2006 Excluding clause 6.11.2.2	A
RESPIRATORY PROTECTION DEVICES (Contd)	Mechanical, physical and practical performance tests including visual inspection and marking		
Continuous flow compressed air line breathing apparatus	Excluding Hood material testing and SF6 test	BS EN 14594:2005 Excluding clause 6.16.2.4	A



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COMPLEX RESPIRATORY PROTECTION DEVICES	Visual Inspection Mechanical Strength Conditioning Practical Performance Breathing Resistance Gas Capacity Filter Penetration, Clogging Strength of Attachment etc.		
Powered Particle Filtering Devices Incorporating Helmets Or Hoods	Excluding SF6, NOX, Hg, AX and SX Tests	BS EN 12941:1998 + A2:2008 Excluding Clauses 6.11.2.4.3, 6.11.2.4.4 and 6.11.2.4.5	A
Powered Filtering Devices Incorporating Full Face Masks, Half Masks And Quarter Masks	Excluding SF6, NOX, Hg, AX and SX Tests	BS EN 12942:1998 + A2:2008 Excluding Clauses 6.11.2.4.3, 6.11.2.4.4 and 6.11.2.4.5	A
Gas Filters and Combined Filters	Excluding NOX, Hg, AX and SX Tests	BS EN 14387:2004 + A1:2008 Excluding clause 6.12.3	A
Valved filtering half masks to protect against gases or gases and particles	Excluding AX and SX tests	BS EN 405:2001 + A1:2009	A
LATEX PRODUCTS			
Natural Rubber Latex Male Condoms	Airburst Dimensional Freedom from holes Freedom from visible defects Package integrity	BS EN ISO 4074:2015 Clauses 5, 6, 8, 9, 10,11 only	A
Male Condoms made from synthetic materials	Design Burst Volume/Pressure Freedom from holes Freedom from visible defects Package Integrity Package and labelling	BS ISO 23409:2011 Clauses 8, 11, 12, 14, 15 and 16 only	A
Single Use, Sterilized Medical Rubber Gloves	Freedom from holes Dimensional Force at break Labelling	BS EN 455-1:2000 BS EN 455-2:2000 (Withdrawn) BS EN 455-2:2009 excluding clause 5.2.1 BS EN 455-3:2006 Clause 4.6 only	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FIRE DETECTION & FIRE ALARM SYSTEMS			
Control & Indicating Equipment	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements	BS EN 54-2:1997 inc. amd 1 & 2 Excluding clause 15.8 AS7240-2:2004 (R2016) excluding clause 16.8	A
Electrical Automatic Control & Delay Panels	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements	BS EN 12094-1:2003 excluding clause 9.5	A
Heat Detectors	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements	BS EN 54-5:2001 Class A, B & C excluding clause 5.13 AS7240-5+A1 2007 excluding clauses 5.13 and 5.17	A
Heat Alarms	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements	BS 5446-2:2003 Class A & B excluding clause 5.13	
Manual Call Points	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements	BS EN 54-11: 2001 inc. amd 1 excluding Clause 5.13 AS7240-11:2008 excluding 5.18 and 5.20	A
Power Supply Equipment	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements	BS EN 54-4:1998 inc. amd 1 & 2 Excluding clause 9.9 AS7240-4:2004+A1:2016 Excluding clause 9.9	A
Smoke Alarm Devices	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements	BS EN 14604:2005 excluding Clause 5.10, 5.14 & 5.15 AS3786:2014 excuding clauses 5.13 and 5.14	A



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FIRE DETECTION & FIRE ALARM SYSTEMS (cont'd)			
Smoke Detectors	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements	BS EN 54-7:2001 excluding Clause 5.12, 5.17 & 5.18 AS7240-7:2004 excluding clauses 5.13 and 5.17	A
System Components Compatibility	Functionality, Physical Testing Verification of design requirements	BS EN 54-13:2005 Excluding Section 5.5 AS7240-13:2006(R2016) excluding 5.18	A
Sounders	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements	BS EN 54-3:2001 inc. amd 1 & 2 excluding Clause 5.11 & 5.16 AS ISO7240-3:2014 excluding 5.11 and 5.16 BS EN 54-24:2008 excluding 5.13 and 5.14 AS ISO7240-24:2015 excluding 5.13 and 5.14	A
Voice alarm control and indicating equipment	Functionality, Mechanical, Performance and Physical Testing Verification of design requirements Marking	BS EN 54-16:2008	A
Short-circuit isolators	Functionality, Mechanical, Performance and Physical Testing Marking	BS EN 54-17:2005 Excluding: - SO ₂ - EMC AS7240-17:2015 excluding clause 5.13	A
Input/output devices	Functionality, Mechanical, Performance and Physical Testing Marking	BS EN 54-18:2005 AS7240-18:2015 excluding clauses 5.7 and 5.12	A
Fire alarm devices. Visual alarm devices	Functionality, Mechanical, Performance and Physical Testing	BS EN 54-23:2010 AS7240-23:2014 excluding 5.4.4 and 5.17	A



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<p>ENVIRONMENTAL TESTING</p> <p>Electrical, Electronic And Mechanical Components:</p> <p>Automotive Connect-Ors, Capacitors, Circular Connectors, Coaxial Connectors, Printed Circuit Connectors Resistors, Switches, Transformers, Electrical, Electronic And Mechanical Equipment Control Units, Communications Equipment, Computers, Digital Equipment, Medical Equipment, Television Sets, Video Recorders, Fire Detection & Fire Alarm Systems</p> <p>Enclosures (All Types)</p>	<p>Dynamic Tests</p> <p>Vibration - Sinusoidal Horizontal and vertical (ambient temperature) Electrodynamic vibrator Freq range 5-3000 Hz Max peak thrust: 13.3 kN Max pk/pk displacement: 50.8 mm Max item mass 340 Kg Max slip table size: 750 x 750mm</p> <p>Degree of protection against ingress by: dust solid objects water</p>	<p>BS EN 60068-2-6:1996 IEC 60068-2-6:1982</p> <p>BS EN 60529:1992 + A2:2013 Excluding IPX1 and IPX2 BS EN 60598-1:2015</p>	<p>A</p> <p>A</p> <p>D</p>



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ENVIRONMENTAL TESTING (cont'd)			
Electrical/Electronic Components	High Temperature Max temp: 70 °C Chamber size: 3.0 m x 2.5 m x 2.2 m	IEC 60068-2-2:1974 Tests Ba, Bb	A
Electrical/Electronic Equipments	Max temp: 100 °C Chamber size: 0.8 m x 0.6 m x 0.7 m		
Mechanical Components	Max temp: 130 °C Chamber size: 1.0 m x 1.0 m x 1.0 m		
Mechanical Equipments	Low Temperature Min temp: -30 °C Chamber size: 3.0 m x 2.5 m x 2.2 m	BS EN 60068-2-1:2007 IEC 60068-2-1:1990 Tests Aa, Ab	A
	Min temp: -40 °C Chamber size: 0.8 m x 0.6 m x 0.7 m		
	Min temp: -65 °C Chamber size: 1.0 m x 1.0 m x 1.0 m		



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ENVIRONMENTAL TESTING (cont'd)			
Electrical, Electronic And Mechanical Components	High Humidity (constant & cyclic) Temp range: +10 °C to +80 °C Humidity range: 75% to 98% rh Max chamber size: 0.8 m x 0.6 m x 0.7m Temp range:+10 °C to +60 °C Humidity range: 20% to 98% rh Max chamber size: 3.0 m x 2.5 m x 2 m	BS 2011:Part 2.1:1977(1987) Test Ca BS 2011:Part 2.1:1990 Test Cb IEC 60068-2-3:1969 BS 2011:Part 2.1:1981(1987) Test Db	A
Electrical, Electronic And Mechanical Components	High Humidity/Temperature Temp range: -40 °C to 80 °C Humidity range: 75% to 98% rh Chamber size: 0.8 m x 0.6 m x 0.7 m Temp range: -25 °C to +60 °C Humidity range: 10% to 98% rh Max chamber size: 3.0 m x 2.5 m x 2.2 m	BS 2011:Part 2.1:1977 Test Z/AD IEC 60068-2-38:1974	A
Electrical, Electronic And Mechanical Components	Salt Mist Chamber size: 1.2 m x 0.8 m x 0.9 m Impact (Spring hammer) 0.5 joules	BS 2011:Part 2.1:1982 Test Ka IEC 60068-2-11:1981 ISO 9227:2017 EN 60068-2-75:1997	A A



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LIGHTING & PHOTOMETRY	Electrical Product Tests		
Luminaires	Electrical safety	BS EN 60598-1:2015 excluding clauses 4.24 and 9.2	D
Fixed General Purpose Luminaires	Electrical safety	BS 4533:Part 102.1:1990 EN 60598:Part 2.1:1989	D
Recessed Luminaires	Electrical Safety	BS EN 60598-2-2:1997	D
Luminaires For Road And Street Lighting	Electrical Safety	BS EN 60598-2-3:2003 + Amd 1 BS EN 60598-2-3:1994	D
Portable General Purpose Luminaires	Electrical Safety	BS EN 60598-2-4:1998	D
Floodlights	Electrical Safety	BS EN 60598-2-5:1998 BS EN 60598-2-5:2015	D
Luminaires With Built-In Transformers	Electrical Safety	BS EN 60598-2-6:1995	D
Portable Luminaires For Garden Use	Electrical Safety	BS EN 60598-2-7:1997	D
Handlamps	Electrical Safety	BS EN 60598-2-8:1997	D
Photo And Film Luminaires	Electrical Safety	BS 4533:Part 102.9:1990 EN 60598:Part 2.9:1989	D
Luminaires For Stage Lighting, Tv, Film And Photographic Studios	Electrical Safety	BS 4533:Part 102-17:1990 EN 60598:Part 2-17:1989	D
Luminaires For Swimming Pools	Electrical safety	BS EN 60598-2-18:1994	D
Air Handling Luminaires	Electrical Safety	BS 4533:Part 102-19:1990 EN 60598-2-19:1989	D

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LIGHTING & PHOTOMETRY (cont'd)			
Lighting Chains	Electrical Safety	BS EN 60598-2-20:1998 + Amd 1	D
Luminaires For Emergency Lighting	Electrical Safety	BS EN 60598-2-22:2014 excluding clauses 22.14, 22.17.1 and 22.17.4	D
Luminaires With Limited Surface Temperatures	Electrical Safety	BS EN 60598-2-24:1999	D
Luminaires For Hospitals And Health Care Buildings	Electrical Safety	BS EN 60598-2-25:1995 + Amd 1 EN 60598-2-25:1994 IEC 598-2-25:1994	D
Track Systems For Luminaires	Electrical Safety	BS EN 60570:2003 BS EN 60570-2-1:1995	D
Ballasts: For Tubular Fluorescent Lamps	Electrical Safety, Electrical, Mechanical and Performance Tests	BS EN 60921:2004 Excluding clause 13 IEC 60921:1988 Excluding clause 13	D
Ac Supplied Electronic Ballasts For Tubular Fluorescent Lamps Performance Requirements	Safety tests Maximum input voltage 250 V ac Rated Frequency 50 Hz only	BS EN 60929:2004 excluding clauses 14 & 15	D

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LIGHTING & PHOTOMETRY (cont'd)			
Lamp Control Gear General And Safety Requirements	Electrical Safety Tests Maximum input voltage 250 V ac Rated frequency 50 Hz only	BS EN 61347-1:2008 Excluding Clause 13	D
Auxiliaries For Lamps Starting Devices	Electrical Safety	BS EN 61347-2-1:2001	D
Dc Or Ac-Supplied Electronic Stepdown Convertors For Filament Lamps	Electrical Safety	BS EN 61347-2-2:2001	D
Ac Supplied Electronic Ballasts For Fluorescent Lamps	Electrical Safety	BS EN 61347-2-3:2001	D
Particular Requirements For Dc Supplied Electronic Ballasts For Emergency Lighting	Electrical Safety, Electrical, Mechanical and Performance Tests	BS EN 61347-2-7:2001 Excluding Clause 14	D
Ballasts: For Tubular Fluorescent Lamps	Electrical Safety, Electrical, Mechanical and Performance Tests	BS EN 61347-2-8:2001 Excluding Clause 15	D
Ballasts For Discharge Lamps Other Than Tubular Fluorescent Lamps	Electrical Safety, Electrical, Mechanical and Performance	BS EN 61347-2-9:2001 Excluding clauses 13 and 15.2	D
Miscellaneous Electronic Circuits Used With Luminaires	Electrical Safety	BS EN 61347-2-11:2002	D
Dc Or Ac Supplied Electronic Ballasts For Discharge Lamps	Electrical Safety	BS EN 61347-2-12:2005	D

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LIGHTING & PHOTOMETRY (cont'd)			
Dc Or Ac Supplied Electronic Control Gear For Led Modules	Electrical Safety	BS EN 61347-2-13:2006	D
Starters	Electrical Safety, Electrical, Mechanical and Performance Tests	BS EN 60155:1995 EN 60155 Section 1:1989 (withdrawn)	D
Connecting Devices For Low-Voltage Circuits For Household And Similar Purposes	General requirements Electrical Mechanical Safety	BS EN 60998-1:2004	D
Connecting Devices With Screw Type Clamping Units	Electrical Safety, Particular requirements, Electrical and Mechanical Tests	BS EN 60998-2-1:2004	D
Connecting Devices For Screwless Type Clamping Units	Electrical Safety Particular requirements, Electrical and Mechanical Tests	BS EN 60998-2-2:2004	D
Photoelectric Control Units For Road Lighting	Electrical Mechanical Photometric	BS 5972:1980	D

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ELECTRICAL COMPONENTS	Electrical Product Tests		
Solid And Insulating Materials Under Moist Conditions	Comparative and proof tracking indices	BS EN 60112:2003+A1:2009 IEC 60112:2003	D
Plastic Materials	Glow wire	BS EN 60695-2-10:2001 BS EN 60695-2-11:2001 BS EN 60695-2-12:2001 BS EN 60695-2-13:2001 BS 6458-2-1:1984 (withdrawn)	D
General Requirements For Electrical Accessories Not Covered By Other British Standards	Electrical Safety	BS 5733:1995 (Withdrawn) BS 5733:2010 Limitation: Clause 14.5, limited to 2.5 mm ² CSA maximum	D
Automatic test systems for battery powered emergency escape lighting	Electrical Safety	BS EN 62034:2012, excluding clause 4.4.6 – EMC Testing	D
Central power supply systems	Electrical Safety	BS EN 50171:2001	D

In the above Electrical Components Section, where IEC or EN standards have exact equivalents in BS or BS EN or EN Standards shown on the schedule, these are also included in the accreditation.



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ELECTRONIC EQUIPMENT & COMPONENTS			
Mains-Operated Electronic And Related Apparatus For Household And Similar General Use:	Electrical Product Tests Electrical Safety Electrical Product Tests Electrical Safety		
Audio Amplifiers Audio Tape Recorders Battery Eliminators Electronic Organs Home Computers And Similar Appliances Music Centres Radio Receivers Record Turntables Telecommunications Equipment Television Receivers Video Equipment	Construction requirements Dielectric strength Flammability Insulation after humidity Ionizing radiation (TV only) Isolation Mechanical strength and stability Overheating Safety labelling Shock and fire hazards with and without fault conditions	BS EN 60065:2002 BS EN 60695-11-10:1999 IEC 60065:2001 (withdrawn)	D
Circuit Boards And Enclosures For Tv Sets	Fire resistance		D
High Voltage Components (>4 Kv)	Flammability		D
Safety Isolation Components (Resistors, Capacitors, Switches, Transformers, etc)	Construction requirements Insulation after damp heat Surge voltage breakdown		D

In the above Electrical Components & Electrical Components Section, where IEC or EN standards have exact equivalents in BS or BS EN Standards shown on the schedule, these are also included in the accreditation.



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<p>ELECTRONIC EQUIPMENT & COMPONENTS (cont'd)</p> <p>Electronic Components And Materials Used In IT Equipment</p> <p>IT Equipment Including Electrical Business Equipment</p>	<p>Dielectric strength and leakage current</p> <p>Distance through insulation</p> <p>Heating during normal use</p> <p>Insulation after humidity</p> <p>Electronic isolation by creepage and clearance measurement</p> <p>Ionising radiation</p> <p>Flammability</p> <p>Insulation resistance</p> <p>Measurement of telephone Network voltages (TNV)</p> <p>Mechanical strength and stability</p> <p>Safety labelling</p> <p>Shock and fire hazards with and without fault conditions</p>	<p>BS EN 60950-1:2006+A2</p> <p>BS EN 60695-11-10:1999</p> <p>IEC 60950:2005</p>	D
<p>Fixed Capacitors For Radio Interference Suppression (Limited To Capacitor Types Mounted By Their Connecting Leads)</p>	<p>Capacitance</p> <p>Creepage and clearance</p> <p>Damp heat</p> <p>Endurance</p> <p>Flammability</p> <p>Impulse voltage</p> <p>Insulation resistance</p> <p>Markings</p> <p>Resistance</p> <p>Soldering heat test</p> <p>Termination strength</p> <p>Voltage proof</p>	<p>BS EN 60695-11-10:1999</p>	D
<p>Electrical, Equipment For Measurement, Control And Laboratory Use</p>	<p>Electrical safety</p> <p>Voltage: up to 30 Kv dc up to 15 Kv rms</p>	<p>BS EN 61010-1:2010+A1:2019</p> <p>EN 61010-1:2010</p> <p>IEC 61010-1:2010+AMD1:2016</p> <p>CSV</p> <p>Excluding :-</p> <p>Clause 12.2, Ionizing radiation</p> <p>Clause 12.3, UV radiation</p> <p>Clause 12.4, Microwave radiation</p> <p>Clause 12.5.2 Ultrasonic pressure</p> <p>Clause 12.6 Laser sources</p> <p>UL 61010A-1:2002</p> <p>Excluding :-</p> <p>Clause 9.2.1</p>	D



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MEDICAL EQUIPMENT Medical Electrical Equipment	Current Dimensional Electrical power Resistance/ impedance Humidity Mechanical Pressure Temperature Time Voltage	BS 5724:Part 1:1989 Amd 1, 2, 3 EN 60601-1:2006+A12:2014 IEC 60601-1:1988 Amd A1 and A2 IEC 60601-1:2005 +AMD1:2012/COR1:2014 UL 60601-1:2003 All excluding IEC 60601-1-4 referred to in Sub-clause 52.1, also Section 6 (Clause 37 to 41) and Clause 48	D
FENESTRATION Windows	Operating forces	BS 6375-2:2009 excluding clauses 5.5 & 6.5 BS EN 12046-1:2003 BS EN 13115:2001	A
	Static torsion	BS 6375-2:2009 BS EN 14609:2004 BS EN 13115:2001	A
	Racking	BS 6375-2:2009 excluding clauses 5.5 & 6.5 BS EN 14608:2004 BS EN 13115:2001	A
	Safety devices	BS 6375-2:2009 excluding clauses 5.5 & 6.5 BS EN 14609:2004 as amended by DIHM C.2261.069 BS EN14351-1:2006	A
Doors	Operating forces	BS 6375-2:2009 excluding clauses 5.5 & 6.5 BS EN 12046-2:2000 BS EN 12217:2003	A



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FENESTRATION (cont'd)	<u>Specific</u>		
	Vertical load	BS 6375-2:2009 excluding clauses 5.5 & 6.5 BS EN 947:1999 BS EN 1192:2000	A
	Static torsion	BS 6375-2:2009 excluding clauses 5.5 & 6.5 BS EN 948:1999 BS EN 1192:2000	A
	Soft and heavy body impact	BS 6375-2:2009 excluding clauses 5.5 & 6.5 BS EN 949:1999 BS EN 1192:2000	A
	Hard body impact	BS 6375-2:2009 excluding clauses 5.5 & 6.5 BS EN 950:1999 BS EN 1192:2000	A
	Safety devices	BS 6375-2:2009 excluding clauses 5.5 & 6.5 BS EN 948:1999 as amended By DIHM C.2261.069 BS EN 14351-1:2006	A
Windows and Doors	Weathertightness Air permeability Watertightness Resistance to wind load	BS 6375-1:2015 BS EN 1026:2016 BS EN 1027:2016 BS EN 12211:2016	A



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<p>FENESTRATION (cont'd)</p> <p>External Doorsets - single and double leaf - single swing - hinged - inward and outward opening - with or without integral side panels and fanlights - pivot doors - stable</p> <p>Letter Plates</p>	<p><u>Specific</u></p> <p>Security hardware and cylinder test (Parts 1 & 2) Manipulation test Infill manual test Infill mechanical test Manual cutting test Mechanical loading test Manual check test Soft body impact test Hard body impact test</p> <p>Security of fixings</p>	<p>PAS 24:2016 PAS 24:2012</p> <p>BS EN 13724:2002 as amended by PAS 24:2012</p>	<p>A</p> <p>A</p>
<p>Windows: Singular and Multilight - top hung (open out), side hung (open in and open out, bottom hung (open in), butt hinged - top and side hung (open out) projected - top hung fully reversible - side hung fully reversible - tilt and turn and turn and tilt - fixed and dummy vents - double opening (French windows) - horizontal sliding</p>	<p>Manipulation test Infill manual test Infill mechanical test Mechanical loading test Manual check test</p>	<p>PAS 24:2016 PAS 24:2012</p>	<p>A</p>



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GLASS, SHEET and BUILDING PRODUCTS			
Glass And Glazing	<u>General:</u> Dimensional		
Glass In Buildings	<u>Specific:</u> Impact test	BS EN 12600:2002	A
	Fragmentation	BS EN 12150-1:2000 Clause 8 BS EN 1863-1:2000 Clause 8	A
	4-point bend	BS EN 1288-3:2000	A
Insulating Glass Units (Double Glazed)	Moisture penetration index Dew point temperature Inorganic desiccant moisture content (950 °C drying method)	BS EN 1279-2:2002	A
	Organic desiccant moisture content (Karl Fischer method)	Documented In-House Method T.2262.002 based on BS EN 1279-2:2002	A
	Gas leakage rate Filling gas concentration (Argon filling only)	BS EN 1279-3:2002	A
	Fogging test	BS EN 1279-6:2002, Annex C	A
Safety Glass & Plastics For Road Vehicles	Mechanical Optical Physical	BS 857:1967(1990) ECE Regulations 43 ANSI Z.26.1 (USA)	A
Access Equipment			
Portable Aluminium Ladders, Steps, Trestles And Lightweight Staging	Constructional requirements Performance tests	BS 2037:2002	A



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GLASS, SHEET and BUILDING PRODUCTS (cont'd) Ladders	<u>Specific</u> (cont'd) Constructional requirements Design requirements Performance tests	BS 1129:1990 BS EN 131-2:1993 BS EN 131-2:2010 (excluding Clause 5.16)	A
PLUMBING & COPPER CYLINDERS Cylinders For Domestic Water Copper Cylinders Float Operated Valves Diaphragm Type (Plastic Body) Insulating Jackets For Domestic Hot Water Storage Cylinders Malleable Cast Iron And Cast Copper Alloy Threaded Pipes And Fittings	General: Capacity Construction requirements Dimensional Pressure <u>SPECIFIC:</u> Performance Thermal efficiency Construction requirements Dimensional Mass Thermal efficiency Construction requirements Dimensional (excluding thread gauging) Finish: coating Mass Pressure Tensile test (up to 100kN)	BS 1566 -1:2002 BS 1212-3:1990 BS 5615:1985 BS 143:1993 BS 1256:2000 Excluding Clauses 8.1, 8.2, 8.3 and 8.4 BS EN 10242:1995	A A A A



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PLUMBING & COPPER CYLINDERS (cont'd)			
Tubes And Fittings	General: Dimensional Mechanical properties Pressure Carbon film tests		A
Copper Tubes For Water, Gas And Sanitation		BS EN 1057:2006 excluding Clauses 8.3, 8.4 and 8.6	A
Capillary And Compression Tube Fittings Of Copper And Copper Alloy For Copper Tubes		BS 864:Part 2:1983 BS EN 1254-1:1998 excluding Clauses 4.2, 5.5 and 5.6 BS EN 1254-2:1998 excluding Clauses 5.8 and 5.9 BS EN 1254-4:1998	A
Capillary And Compression Tube Fittings Of Copper And Copper Alloy For Polyethylene Pipes		BS 864:Part 5:1990	A
Draining Taps (Screw-Down Pattern)		BS 2879:1980(1988)	A
Valves And Unions For Hot Water Radiators		BS 2767:1991	A
THERMAL INSULATION FOR BUILDINGS:			
Factory Made Mineral Wool (MW) Products		BS EN 13162:2012 A1:2015	A
SITE ACTIVITIES			
Portable Fire Extinguishers	Performance Class A and Class B	BS EN 3 - 7:2004 + A1:2007 Clause 15 BS 6165:2002 Clause 7.6 BS EN 1866-1:2007 Clause 8	C



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HOUSEHOLD OR SIMILAR GAS APPLIANCES	Design and Construction Safety of Operation Thermal Efficiency Performance	Testing to the following specifications to demonstrate compliance with the European Gas Appliance Directive 2009/142/EC or compliance with the specification	D
Excluding non-metallic materials tested to BS EN 549, BS EN 278, BS EN 279, BS 3212, ISO 1817 and excluding lint tests			
Cooking Appliances including Independent Hotplates, Barbecues and Ovens		BS EN 30-1-1:2008+A3:2013 BS EN 30-1-2:2012 BS EN 30-1-4:2012 BS EN 30-2-1:1998 BS EN 30-1-3:2002 BS EN 30-2-2:1999 BS EN 498:2012 BS EN 484:1998 AS 4551:2008 AS 4557:2004 ANSI Z21.1:2005	D
Specification for dedicated liquefied petroleum gas appliances. Multi-purpose boiling burners for outdoor use		BS EN 497:1998	
Natural Gas Barbecues for Outdoor Use		TP 6.9 (Internal Certification Procedure)	D
Heat Storage Cookers		TP 6.10 (Internal Certification Procedure)	D
Flueless Heat Storage Cookers		TP 6.15 (Internal Certification Procedure)	D
Gas Ovens For Household Use	Performance (Energy labelling tests)	BS EN 15181:2008	D
Central Heating Boilers And Circulators		BS EN 297:1994 BS EN 483:1999 BS EN 625:1996 BS EN 677:1998 AS 4560:2004	D



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HOUSEHOLD OR SIMILAR GAS APPLIANCES (cont'd)			
Fuel Cell Heating Appliances		BS EN 50465:2008 BS EN 50465:2015	D
Combined Fire/Back Boiler Or Circulator		BS 7977-2:2003	D
Gas-fired heating boilers. General requirements and tests		BS EN 15502-1:2012	D
Gas-fired central heating boilers. Specific standard for type C appliances and type B2, B3 and B5 appliances of a nominal heat input not exceeding 1 000 kW		BS EN 15502-2-1:2012 + A1:2016 Excluding Clause 5.3.101, corrosion test	D
WATER HEATERS			
Instantaneous Water Heaters > 45 kW		BS EN 26:2015 BS EN 89:2000 BS EN 15033:2006 (excluding Clause 6.2 (vibration test)) AS 4552:2005	D
Instantaneous Condensing Water Heaters		TP 6.3 (Internal Certification Procedure)	D
Instantaneous Condensing Water Heaters for Outdoor Use		TP 6.4 (Internal Certification Procedure)	D
Gas Fires And Space Heaters		TP 6.5 (Internal Certification Procedure)	D
Space Heaters (EN 613) Appliances With C31 Flues		BS EN 509:2000 BS EN 613:2001 BS EN 1266:2002 BS 7977-1:2009+A1:2013 BS EN 13278:2013 AS 4553:2008	D
		TP 6.13 (Internal Certification Procedure)	D



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WATER HEATERS (cont'd)			
Space Heaters (EN 613) Appliances For Unattended Operation		TP 6.14 (Internal Certification Procedure)	D
Flueless Heaters		BS EN 14829:2007	D
Flueless LPG Space Heaters	Excluding catalytic heaters	BS EN 449:2002	D
Air Heaters		BS EN 778:2009 BS EN 1196:2011 BS EN 1319:2009 BS 5258:Part 9:1989 BS 6332:Part 6:1990	D
Lpg Absorption Refrigerators		BS EN 732:1999 AS 4555:2002	D
Portable Vapour Pressure Lpg Appliances		BS EN 521:2006 AS 2658:2008	D
Portable Gas Cookers Using Non-Refillable Gas Canisters		TP 6.20 (Internal Certification Procedure)	D
Tumble Dryers		BS EN 1458-1:2011	D
Flueless Patio Heaters		BS EN 14543:2005	D
Decorative Open Flame Appliances For Outdoor Use		TP 6.24 (Internal Certification Procedure)	D
Room Sealed Lpg Space Heaters For Vehicles And Boats (excluding appliances intended for use while vehicle or boat is in motion)		BS EN 624:2011 (excluding Clauses 6.12.3.10 (vibration test) and 6.25 (for vehicles in motion))	D



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COMMERCIAL GAS HEATED CATERING EQUIPMENT	Design and Construction Safety of Operation Thermal Efficiency Performance Excluding non-metallic materials tested to BS EN 549, BS EN 278, BS EN 279, BS 3212, ISO 1817	BS EN 203-1:2014 BS EN 203-2-1:2005 BS EN 203-2-2:2006 BS EN 203-2-3:2005 BS EN 203-2-4:2005 BS EN 203-2-6:2005 BS EN 203-2-7:2014 BS EN 203-2-8:2005 BS EN 203-2-9:2005 BS EN 203-2-10:2007 BS EN 203-2-11:2006 AS 4563:2004	D
Professional Catering Barbecues		TP 6.19 (Internal Certification Procedure)	D
Hog/Pig Roasters		TP 6.21 (Internal Certification Procedure)	D
Overhead Radiant Heaters		BS EN 416-1:2009 BS EN 416-2:2006 BS EN 419-1:2009 BS EN 419-2:2006 AS 4643:2007	D
Gas Radiant Heaters For Outdoor Use		TP 6.22 (Internal Certification Procedure)	D
Lpg Space Heaters		BS EN 461:1999 BS EN 1596:1998	D
Heating Boilers - Forced Draught		BS EN 303-1:1999	D
Boiler Body And Forced Draught Burners	Excluding appliances >800 kW	BS EN 303-3:1999	D
Hot Water Boilers	Excluding appliances >800 kW	BS EN 656:2000 BS 5978:Part 1:1989 BS 5978:Part 2:1989 BS 5978:Part 3:1989 BS EN 13836:2006 BS EN 15417:2006 BS EN 15420:2010	D



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
COMMERCIAL GAS HEATED CATERING EQUIPMENT (cont'd) Air Heaters Tumble Dryers Commercial Dryers > 20 Kw		BS 5990:2006 BS 5991:2006 BS EN 525:2009 BS EN 1020:2009 BS EN 12669:2000 BS EN 621:2009 BS EN 12752-1:1999 AS 4554:2005 TP 6.8 (Internal Certification Procedure)	D D D
GAS CARRYING CONTROLS Manually Operated Ball Valves Ball Valve Families 2"-4" Taper Plug Valves Automatic Shut-Off Valves	Design and Construction Safety of Operation Performance Excluding non-metallic materials tested to BS EN 549, BS EN 278, BS EN 279, BS 3212, ISO 1817 Electrical components tested to BS EN 60730-1:2001 but excluding IP Tests to IEC 529 and materials to BS 7461:1991	BS EN 331:2015 TP 6.7 (Internal Certification Procedure) BS 1552:1995 BS EN 161:2011+A3:2013 (excluding Clauses 8.5 to 8.10 (EMC)) AS 4629:2005 Excluding Clause 8, EMC tests of BS EN 13611 8.8 to 8.10 EMC	D D D D



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GAS CARRYING CONTROLS (cont'd)			
Pressure Governors	Excluding control dimensions > DN 50	BS EN 88-1:2011 AS 4618 : 2004	D
Distribution Valves		GIS/V7 Part 3:2014	D
Multifunction Gas Controls		BS EN 126:2012 Excluding Clause 8, EMC tests of BS EN 13611 8.8 to 8.10 EMC TP 6.26 (Internal Certification Procedure - MFCs with Single Actuator on Acting on Two Closure Members)	D
Flame Supervision Devices		BS EN 125:2010 BS 6047:Part 1:1981	D
Gas Taps		BS EN 1106:2010 AS 4617:2004 AS 4617:2018 TP 6.27 (Internal Certification Procedure - Laboratory Gas Taps)	D
Safety And Control Devices		BS EN 13611:2007 (excluding Clauses 7.10.2.2 (vibration), and 8.8 to 8.10 (EMC))	D
Normally Open (Vent) Valves		TP 6.16 (Internal Certification Procedure)	D
Pressure regulators, automatic change-over devices, having a maximum regulated pressure of 4 bar, with a maximum capacity of 150 kg/h, associated safety devices and adaptors for butane, propane, and their mixtures	Limited to maximum flowrate of 14 Kg/h	BS EN 16129:2013	
Thermostats		BS EN 257:2010	D
Gas/Air Ratio Controls	Excluding control dimensions > DN 50	BS EN 12067-1:1999	D



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANCILLIARIES RELATING TO GAS EQUIPMENT	Design and Construction Excluding non-metallic materials tested to BS EN 549, BS EN 278, BS EN 279, BS 3212, ISO 1817		
Flue Pipes And Accessories	Flue Terminals only	BS EN 1856-1:2009	D
Flexible Hoses & Connection Valves		BS 669:Part 1:1989 BS 669:Part 2:1997 BS EN 15069:2008 BS EN 16436-1:2014 +A2:2018 BS EN 14800: 2007 (excluding Clause 11 (reaction to fire)) BS EN 15266:2007 (excluding Clause 5.16 (reaction to fire))	D
Diaphragm Gas Meters	Construction and Marking only	BS EN 1359:1999 (Clauses 6 & 8)	D
ANCILLIARIES RELATING TO GAS EQUIPMENT (cont'd)			
System Chimneys With Plastic Flue Liners		BS EN 14471:2005 (excluding Clauses 7.7.2 (materials classification), and 7.7.8 (reaction to fire))	D
Flue Blocks And Masonry Terminals		BS EN 13502:2002	D



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>HOUSEHOLD OR SIMILAR GAS, ELECTRIC, AND OIL-FIRED APPLIANCES</p> <p>Appliances as listed in the following sections of this schedule:</p> <ul style="list-style-type: none"> Household or similar gas appliances Commercial gas heated catering equipment Commercial gas appliances Automatic forced draught burners for gaseous fuels Unvented hot water storage systems Oil fired appliances Gas appliance safety <p>Cooking Ranges And Ovens</p> <p>Washing Machines</p>	<p>Electrical Safety</p> <p>Specification for safety of household and similar electrical appliances (General Requirements)</p> <p>Note IP testing is performed at Hemel Hempstead.(Location A)</p>	<p>BS EN 60335-1:2012 BS EN 60335-1:2002 AS/NZS 60335.1:2002 SANS 60335-1:2007 Excluding Clauses 19.11.4.2, 19.11.4.4 & 19.11.4.7, EMC Tests Clause 22.48 (back-siphonage),</p> <p>BS EN 60335-2-6:2003 AS/NZS 60335.2.6:2008 SANS 60335-2-6:2008</p> <p>BS EN 60335-2-7:2010</p>	<p>D</p> <p>D</p> <p>D</p>

In the above Household or Similar Gas, Electric, and Oil-Fired Appliances Section, where IEC or EN standards have exact equivalents in BS or BS EN Standards shown on the schedule, these are also included in the accreditation.



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HOUSEHOLD OR SIMILAR GAS, ELECTRIC, AND OIL-FIRED APPLIANCES (cont'd)			
Tumble Dryers		BS EN 60335-2-11:2010 1) With deviation to Clause 3.1.9: Normal loads for gas dryers, test load will be as per BS EN 12752-1 2) Excluding Annexes BB & CC (flammable refrigerants and non-sparking 'n' class electrical appliances)	D
Appliances For Heating Liquids		BS EN 60335-2-15:2002	D
Storage Water Heaters		BS EN 60335-2-21:2003	D
Refrigerating Appliances		BS EN 60335-2-24:2010 AS/NZS 60335.2.24:2002 Excluding : Flammable refrigerants	D
Room Heaters	Excluding oil filled radiators	BS EN 60335-2-30:2009	D
Instantaneous Water Heaters		BS EN 60335-2-35:2003	D
Commercial Electric Cooking Ranges And Ovens		BS EN 60335-2-36:2002	D
Commercial Deep Fat Fryers		BS EN 60335-2-37:2002	D
Commercial Griddles		BS EN 60335-2-38:2003	D
Commercial Electric Multi-Purpose Cooking Pans		BS EN 60335-2-39:2003	D

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HOUSEHOLD OR SIMILAR GAS, ELECTRIC, AND OIL-FIRED APPLIANCES (cont'd)			
Electric Heat Pumps	Excluding flammable refrigerants Excluding Gas Refrigerant Type with MOP > 5 bar Excluding Liquid Refrigerant Type with MOP > 20 bar	BS EN 60335-2-40:2003 (excluding Annex EE.5 (fatigue test))	D
Commercial Convection Ovens, Steam Cookers, And Steam-Convection Ovens		BS EN 60335-2-42:2003	D
Commercial Steam Cookers		BS EN 60335-2-46:1989 Excluding IPX5 rated appliances	D
Commercial Grillers And Toasters		BS EN 60335-2-48:2003	D
Hot Cupboards		BS EN 60335-2-49:2003	D
Outdoor Electric Barbecues		BS EN 60335-2-78:2003	D
Fans		BS EN 60335-2-80:2003 Excluding IPX2 rated appliances and Clause 20.101 (Shore Hardness)	D
Gas, Oil & Fuel Burning Appliances Having Electrical Connections		BS EN 60335-2-102:2006 AS/NZS 60335.2.102:2004 SANS 60335-2-102:2009	D
Electric Cooking Ranges, Ovens, Hobs & Grills For Household Use	Performance (Energy labelling tests)	BS EN 50304 (60350):2009 Clauses 8.3 (Energy consumption) and 12 (Standby Power) only	D

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SAFETY RELATED ELECTRONIC CONTROLS	Design and Construction Electrical Safety Failure Mode Analysis Safety of Operation Environmental Disturbances Performance		
Automatic Gas Burner Control Systems		BS EN 298:2012 (excluding 7.101.4.1.4, 7.101.4.2 & 7.101.4.3 (IR & UV Flame detectors), EMC clauses 8.5 to 8.10 and IP tests to EN60529)	D
		ANSI Z21.20:2007 Excluding independently mounted controls. Excludes Clauses 17.16.103 (vibration), H26.10 (ring wave) and annex DD (solid state oil igniters)	D
Electronic Flame Safeguards & Flame Detectors		AS 4625:2005	D
Control Functions In Electronic Systems For Gas Burners And Appliances		BS EN 14459:2007 (excluding Clause 8 EMC tests in BS EN 13611))	D
Automatic Burner Control Systems For Oil Burners		BS EN 230:2005	D
Automatic Electrical Controls For Household And Similar Use		BS EN 60730-1:2011 (excluding Annex ZF (EMC) for stand-alone controls)	D
Automatic Electrical Controls For Electrical Household Appliances		BS EN 60730-2-1:1997	D
Automatic Electrical Controls: Temperature Sensing Controls		BS EN 60730-2-9:2010	D



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SAFETY RELATED ELECTRONIC CONTROLS (cont'd)			
Safety & Control Devices For Gas Burners		ISO 23550:2004 Excluding Clause 7.5.2 and 7.5.3 (Resistance to Gas and Lubricants), 8.8 to 8.10 (EMC), Annex E 6.3.2.1 (zinc alloy), Annex F (USA and Canada) and Annex G 6.4.5 (Flanges, Japan)	D
Gas/Air Ratio Controls		BS EN 12067-2:2004 Excluding Clause 8.5.2 (vibration)	D
Fuel/Air Ratio Controls For Gas/Oil Appliances		ISO 23552-1:2007 Excluding Clause 7.7.2.2 (vibration), 8.8 to 8.10 (EMC) and 8.11.2 (IP5x)	D
Kitchen Extract Control Systems		TP 6.1 (Internal Certification Procedure)	D
Gas Proving Control Systems		TP 6.2 (Internal Certification Procedure)	D
AUTOMATIC FORCED DRAUGHT BURNERS FOR GASEOUS FUELS	Design and Construction Functional Safety	BS EN 676:2003 (excluding Clauses 4.4.2 to 4.4.8)	D
UNVENTED HOT WATER STORAGE SYSTEMS		TP 6.12 (Internal Certification Procedure) (based on BS 7206:1990* and G3 Building Regulations) (*excluding BS 7206 - Clause 4 (effect of non-metallic materials on water quality))	D
COAL-FIRED APPLIANCES			
Charcoal Barbecues (Excluding Permanent Barbeques)		BS EN 1860-1:2013+A1:2017	D



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OIL FIRED APPLIANCES	Design and Construction Thermal Efficiency Excluding appliances > 150 kW	BS EN 304:1992 BS EN 15034:2006 BS EN 15035:2006	D
ELECTRICAL APPARATUS Electrical Apparatus For CO Detection	Safety and Performance tests Note Clause 5.3.16, Alarm sound level testing is performed at Hemel Hempstead. (Location A)	BS EN 50291-1:2010+A1:2012 Excluding Clauses 5.3.11, EMC above 1 Ghz	D
	Safety and Performance tests Note Clause 5.3.19.1, vibration testing is performed at Hemel Hempstead. (Location A)	BS EN 50291-2:2010 Excluding Clause 5.3.19.2, EMC tests Clause 5.3.19.5, EMC tests Clause 5.3.20, EMC tests Clause 5.3.21.1, EMC tests Clause 5.3.21.2, EMC tests Clause 5.3.21.3, EMC tests BS EN 50291-2:2019 Excluding Clause 6.3.102.1 Clause 6.3.102.2 Clause 6.3.103 Clause 6.3.104.3.2	D
GAS APPLIANCE SAFETY Gas appliances as listed in the following sections of this schedule: <ul style="list-style-type: none"> • Household or similar gas appliances • Commercial gas heated catering equipment • Commercial gas appliances • Automatic forced draught burners for gaseous fuels 		NZS 5262:2003 SANS 1539:2012 SANS 1539:2017 Ed 5.1	D
END			