


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

|  |  |  |
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| <br><b>1053</b><br><br>Accredited to<br><b>ISO/IEC 17025:2005</b> | <b>BSRIA Limited</b>   |  |
|  | Issue No: 025 Issue date: 08 May 2019                                |  |
|  | <b>Old Bracknell Lane West</b><br>Bracknell<br>Berkshire<br>RG12 7AH | <b>Contact: Dr A Teekaram</b><br>Tel: +44 (0)1344 465600<br>Fax: +44 (0)1344 465626<br>E-Mail: Arnold.Teekaram@bsria.co.uk<br>Website: www.bsria.co.uk |
| 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  |
|---|--|--|
| <b>Address</b><br>Old Bracknell Lane West<br>Bracknell<br>Berkshire<br>RG12 7AH | <b>Local contact</b><br>Dr A Teekaram<br><br>Tel: +44 (0)1344 465600<br>Fax: +44 (0)1344 465626<br>E-Mail: Arnold.Teekaram@bsria.co.uk | Metal flue pipes, fittings, terminals and accessories<br>Radiators and<br>Convactor heaters<br>Powered ventilators<br>Building air leakage testing<br>Heat pumps<br><br>Perm |

#### Site activities performed away from the locations listed above:

| Location details        | Activity   | Location code    |
|-------------------------|--|------------------|
| Customer premises - any | Building air leakage testing<br><br>Sound Insulation tests including pre-completion testing for dwellings and rooms for residential purpose for The Building Regulations 2010. Approved Document E (2003 Edition incorporating 2004 & 2010 amendments). Building (Scotland) Regulations using the guidance given in Technical Handbooks Section 5, Noise for both Domestic and Non-domestic buildings. | Site<br><br>Site |



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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 |
|--|--|---|---------------|
| METAL FLUE PIPES, FITTINGS, TERMINALS and ACCESSORIES for gas-fired appliances - rated input not exceeding 60 kW | <u>Dimensional Tests</u><br>Dimensions - single-wall flue system<br><br>Dimensions - double-wall flue system<br><br>Dimensions - flexible flue liner<br><br>Dimensions - flue terminals<br><br>Dimensions - fittings | BS 715:1993 sections 2.3, 3.3, 4.3, 5.3                         | Perm          |
| METAL CHIMNEYS   | <u>Dimensional Tests</u><br>System chimneys<br><br>Rigid flue liners<br><br><u>Rigid connecting flue pipes</u><br><br><u>Flexible flue liners</u>  | BS EN 1856-1:2009<br><br>BS EN 1856-1:2009<br>BS EN 1856-2:2009 | Perm          |



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| Materials/Products tested                        | Type of test/Properties measured/Range of measurement   | Standard specifications/ Equipment/Techniques used                             | Location Code |
|--|---|--|---------------|
| ROOM HEATERS FIRED BY SOLID FUEL                 | <u>Performance tests</u>  |  |               |
|  | Thermal performance, safety requirements, appliance instructions and marking.   | BS EN13240:2001 inc A2:2004<br>BS EN 13229:2001 inc A2:2004                    | Perm          |
|  | Test methodology and calculation methodology for determining the energy cost and CO <sub>2</sub> savings using a chimney blank. | 'In-house procedure'<br>57966/1  |               |
|  | Smoke emissions   | BS 3841: Part 1 and 2 (section 4 only)<br>PD 6434:1969                         |               |
|  | Residential solid fuel burning appliances   | BS EN 16510-1:2018   | Perm          |
| Defra smoke tests on Pizza Ovens                 | 'In-house procedure'<br>TP60  | Perm   |               |
| RADIATORS and CONVECTOR HEATERS                  | <u>Performance Tests</u>  |  |               |
|  | Thermal output<br>Burst resistance to pressure  | BS EN 442-2:2014<br>BS EN 442-1:2014 sections 5 to 5.1.7, 5.2, 5.3, 6.1 to 6.4 | Perm          |
|  | Dimensions  | BS EN 442-2:2014   | Perm          |
| POWERED VENTILATORS (for smoke and heat exhaust) | <u>Performance Tests</u>  |  |               |
| High temperature tests (up to 400°C)             | BS EN 12101-3:2015  | Perm   |               |



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|--|---|--|---------------|
| AIR CONDITIONERS,<br>LIQUID CHILLING<br>PACKAGES AND HEAT<br>PUMPS<br>- Air to Air (2-12kW)<br>- Brine/Water to Water<br>(2-200kW)<br>- Air to Water (2-200kW) | <u>Performance Tests</u><br><br>Thermal performance tests to determine capacity, COP and EER. Part 4 Safety tests               | BS EN 14511:2007<br>BS EN 14511:2011<br>BS EN 14511:2013 Parts 1 to 4<br>BS EN 14511:2018 Parts 1 to 4<br>BS EN 14825:2016 | Perm          |
|  | Sound power measurements  | BS EN 3741:2010<br>BS EN 12102:2013  | Perm          |
| Noise sources  | <u>Performance Tests</u><br><br>Determination of sound power levels   | BS EN ISO 3741 : 2010  | Perm          |
| Fan Coils Units  | <u>Performance Tests</u><br><br>Thermal performance and Airflow   | BS EN 1397:2015  | Perm          |
| Heat pumps with electrically driven compressors  | <u>Performance Tests</u><br>Performance rating and requirements for marking of domestic hot water units                         | BS EN 16147:2017   | Perm          |
| Heat Interface Units   | <u>Performance Tests</u><br><br>High temperature/low temperature thermal performance static and dynamic tests<br>Pressure tests | BESA UK HIU Test Regime Technical Specification December 2016<br><br>BESA, UK HIU Test Regime October 2018                 | Perm          |
| Indoor Air Quality Testing to the requirements of ISO 16000-3:2011 and ISO 16000-6:2011  | Air Sampling, TOVC, Formaldehyde  | 'In-house procedure'<br>TP 57  |               |



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| Materials/Products tested  | Type of test/Properties measured/Range of measurement   | Standard specifications/ Equipment/Techniques used  | Location Code |
|--|---|---|---------------|
| BUILDINGS  | <u>Performance Tests</u><br>Air leakage tests for determination of:<br>- Air leakage index<br>- Air permeability<br><br>Building air leakage test Domestic<br><br>Building air leakage test Non-Domestic<br><br>Floor Plenum Air Leakage Test | CIBSE Technical Memoranda TM 23:2000<br>BS EN 13829:2001<br>BS EN ISO 9972:2015<br>ATTMA technical standard 1:2007<br><br>ATTMA TSL1:2010<br>ATTMA TSL1:2016<br><br>ATTMA TSL2:2010<br><br>BSRIA BG65 | Site          |
| ACOUSTICS  | Measurement of sound absorption in a reverberation room   | BS EN ISO 354: 2003<br>BS EN 11654:1997   | Perm          |
| BUILDING FINISHES<br>Including ceiling panels, wall panels, carpets, curtains, proprietary or purpose made sound absorbent materials, and other room contents including seating, screens and space absorbers |   |   |               |



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|---|--|---|---------------|
| ACOUSTICS   | <u>Performance Tests</u> (cont'd)  |   |               |
| Buildings - elements such as partitions, walls, floors, | Field measurement of airborne sound insulation, ie Level Difference and related factors                                  | Sound Insulation tests including pre-completion testing for dwellings and rooms for residential purpose for<br><br>1. The Building Regulations 2010. Approved Document E (2003 Edition incorporating 2004 & 2010 & 2015 amendments).<br><br>2. Building (Scotland) Regulations using the guidance given in Technical Handbooks Section 5, Noise for both Domestic and Non-domestic buildings.   | Site          |
|   | 100Hz to 5KHz  | BS EN ISO 140-4:1998<br>BS EN ISO 16283-1:2014<br>BS EN ISO 717-1:1997  |               |
| Buildings - floors                                      | Field measurement of impact sound insulation of floors between rooms, ie Impact Sound Pressure Level and related factors | Sound Insulation tests including pre-completion testing for dwellings and rooms for residential purpose for The Building Regulations 2010. Approved Document E (2003 Edition incorporating 2004 & 2010, 2013 & 2015 amendments).<br><br>Post completion sound insulation testing for the Building (Scotland) Regulations using the guidance given in Technical Handbooks Section 5, Noise for both Domestic and Non-domestic buildings. | Site          |
|   | 100Hz to 5KHz  | BS EN ISO 140-7:1998<br>BS EN ISO 717-2:1997<br>BS EN ISO 16283-2:2015  |               |

END



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#### Accreditation for the purpose of Notified Body Activity taking into account EA2/17 and relevant requirements of ISO 17025

| Directive / Regulation                                | Conformity Assessment procedure/ Module/article | Category of products or individual products   | Essential requirements: Product specification / Properties/Standards                |
|---|---|---|---|
| The Construction Products Regulation (EU) No 305/2011 | Testing Laboratory Attestation System 3         | Space heating appliances (1/2): Space heating appliances without internal energy source (in buildings). | EN 442-1:2014   |
| The Construction Products Regulation (EU) No 305/2011 | Testing Laboratory Attestation System 3         | Space heating appliances (1/2): Space heating appliances burning solid and liquid fuels (in buildings)  | EN13240:2001 including A2:2004, AC:2006 & AC:2007<br>EN13229:2001 including A2:2004 |
| END   |   |   |   |