

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING</p> <p>0357</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>British Board of Agreement</h3> <p>Issue No: 049 Issue date: 04 August 2021</p>	
	<p>Bucknalls Lane Garston Watford Hertfordshire WD25 9BA</p>	<p>Contact: Patrick Maxwell Tel: +44 (0)1923 665356 E-Mail: pmaxwell@bbacerts.co.uk Website: www.bbacerts.co.uk</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
HOMOGENEOUS and INHOMOGENEUS MATERIALS	<p>All measurements:</p> <p>Specimen thickness - 10-300 mm</p> <p>Mean temperature range - 273K to 298K</p> <p>Thermal conductivity measurement: - 0.01 to 0.10 W/(mK)</p> <p>Thermal resistance measurement: - 17 to 0.3 m²K/W</p> <p>Best measurement uncertainty - +/- 1.5%</p>	<p>ISO 8301 BS EN 12664:2001 BS EN 12667:2001 BS EN 12939:2001 and ASTM C518-15 using a 762 mm square heat flow meter facility</p>
SOLAR PANEL SYSTEMS	<p>Resistance to wind uplift</p> <p>Weathertightness</p>	<p>MCS 012:2018 BS EN 14437:2004</p> <p>MCS 012:2018 (Test D only)</p>
PLASTICS	<p><u>Mechanical Tests</u></p>	
Films and sheets up to 1.0 mm Thickness	Tensile properties (loads from 1 to 100 kN)	BS EN ISO 527-3:2018 BS 2782:Part 3 Method 326E:1995
Films and sheets from 1.0 to 3.0 mm thickness	Tensile properties (loads from 1 to 100 kN)	Documented In-House Method based on BS EN ISO 527-3:2018
Rigid plastics	Flexural properties	BS EN ISO 178:2010+A1:2013
Rigid cellular materials	Compressive strength (loads up to 100 kN)	BS EN ISO 844:2014
Vulcanised or thermoplastic rubber	Tear strength (loads up to 100 kN)	BS ISO 34-1:2015
Adhesives	Bond strength (T Peel) (loads up to 100 kN)	BS EN ISO 11339:2010



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PLASTICS (cont'd)	<u>Mechanical Tests</u> (cont'd)	
Geotextiles and geotextile-related products	Static puncture (loads up to 25 kN)	BS EN ISO 12236:2006
Vulcanised or thermoplastic rubber	Hardness	BS ISO 48:2010
Solid vulcanised or thermoplastic rubber	Dimensions	BS ISO 23529:2016
Bitumen, plastic and rubber flexible sheets for waterproofing	Water Tightness Water Pressure	BS EN 1928:2000; Method A
	Water Penetration > 60 kPa	HAPAS Guidelines Document:August 2012
Flexible sheets for waterproofing – Bitumen, plastic and rubber sheets for roof waterproofing	Determination of water vapour transmission properties.	BS EN 1931:2000 Excluding cl.6, <i>sampling</i> .
WATERPROOFING MEMBRANES AND SYSTEMS FOR CONCRETE BRIDGE DECKS	<u>Mechanical Tests</u>	
	Tensile adhesion (loads up to 50 kN)	HAPAS Guidelines Document:August 2012
	Impact	HAPAS Guidelines Document:August 2012
WATERPROOFING SYSTEMS FOR UNDERLINE BRIDGE DECKS	<u>Physical Tests</u>	
	Exposure to ultra violet light Conditioning	BS EN ISO 16474-1:2013 BS EN ISO 16474-3:2013
THERMAL INSULATING PRODUCTS FOR BUILDING APPLICATIONS	<u>Physical Tests</u>	
	Determination of thickness	BS EN 823:2013
	Determination of flatness	BS EN 825:2013
	Determination of compression behaviour	BS EN 826:2013
	Determination of compressive creep	BS EN 1606:2013



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THERMAL INSULATING PRODUCTS FOR BUILDING APPLICATIONS (cont'd)	Determination of tensile strength perpendicular to faces	BS EN 1607:2013
	Determination of short term water absorption by partial immersion	BS EN 1609:2013:Method A
	Determination of long term water absorption by immersion	BS EN 12087:2013:Methods 1A and 2A - withdrawn BS EN ISO 16535:2019:Methods 1A and 2A
	Determination of long term water absorption by diffusion	BS EN 12088:2013 BS EN ISO 16536:2019 ISO 29768:2008(2018)
THERMOPLASTIC PIPES up to 1000 mm diameter	<u>Mechanical and Physical Tests</u>	
	Short-term stiffness	BS EN ISO 9969:2016
	Flexibility of a pipe ring	BS EN ISO 13968:2008
EXTERNAL RIB-REINFORCED PVC-U-PIPES Pipes up to 250 mm nominal internal diameter	<u>Mechanical and Physical Tests</u>	
	Short-term stiffness	WIS No. 4-31-05 Issue 2 Appendix B
	Flexibility of a pipe ring	WIS No. 4-31-05 Issue 2 Appendix E
	<u>Physical Tests</u>	
CAVITY WALLS filled with thermal insulation materials	Water resistance	Water Resistance Detailed Operating Procedure
EXTERNAL THERMAL INSULATION COMPOSITE SYSTEMS with RENDERING	Hygrothermal behaviour	ETAG 004:2013
WINDOWS and DOORS	Elements up to 2.5 m high and 3.0 m wide	BS 6375-1:2015 + A1:2016 and the specified tests.
	(Maximum pressure \pm 3000 Pa)	BS EN 12210:2016 and the specified tests
	Air permeability	BS EN 1026:2016
	Water tightness	BS EN 1027:2016 and 2000
	Wind resistance	BS EN 12211:2016



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<p>WINDOWS and DOORS (cont'd)</p> <p>DOOR ASSEMBLIES - external, single leaf</p> <p>EXTERNAL DOORSETS - single and double leaf - single and double swing - hinged - sliding (single and multi-track) – max width 2 metres - pivot - stable - with or without integral side panels and fanlights.</p> <p>LETTER PLATES</p> <p>WINDOWS, SINGULAR & MULTILIGHT - top hung, side hung, bottom hung, butt hinged; - top and side hung projected; - top hung and side hung fully reversible; - tilt and turn and turn and tilt; - vertical and horizontal sliding; - fixed and fixed casements (dummy vents); - parallel opening; - double opening (French windows)- max width 2 metres; - vertical and horizontal pivot.</p> <p>GENERAL</p>	<p>Load bearing capacity of safety devices</p> <p><u>Physical Tests</u></p> <p>Thermal Cyclic Test</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>Manipulation test Infill manual test Infill mechanical test Mechanical loading test Manual check test</p> <p>Corrosion tests in artificial atmospheres - NSS (neutral salt spray)</p>	<p>BS 6375-2:2009 BS EN 14609:2004 as amended by DIHM 23-04-047 BS EN 14351-1:2006+A2:2016</p> <p>BS 8529:2017 (Annex B)</p> <p>PAS 24:2016</p> <p>BS EN 13724:2002 and 2013</p> <p>PAS 24:2016</p> <p>BS EN ISO 9227:2017</p>
END		



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Accreditation for the purpose of UK Approved Body Activity in accordance with UKCA Requirements and UKAS Publication GEN 5

Directive/Regulation	Conformity Assessment procedure/Module /Article	Category of products or individual products	Essential requirements:Product specification/ Properties/Standards
Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.	Annex V- Testing Laboratory (AVCP) System 3 - including testing away from site (Article 46)	97/740/EC Masonry and related products (2/3) : - Joist hangers (in walls and partitions), Brackets (in walls and partitions), Ties (in walls and partitions), Tension straps (in walls and partitions).	EN 845-1:2013
	Annex V- Testing Laboratory (AVCP) System 3 - including testing away from site (Article 46)	97/740/EC Masonry and related products (2/3) : - Lintels (in walls and partitions).	EN 845-2:2013
	Annex V- Testing Laboratory (AVCP) System 3	98/436/EC Roof coverings, rooflights, roof windows and ancillary products (6/6)	EN 14351-1:2006+A2:2016
	Annex V- Testing Laboratory (AVCP) System 3	99/90/EC Membranes (1/3) : - Roof underlays (in buildings).	EN 13859-1:2010
	Annex V- Testing Laboratory (AVCP) System 3	99/90/EC Membranes (1/3) : - Water vapour control layers (in buildings).	EN 13859-1:2010 EN 13859-2:2010 EN 13984:2013
	Annex V- Testing Laboratory (AVCP) System 3	99/90/EC Membranes (1/3) : - Damp proof courses (in buildings).	EN 14909:2012
	Annex V- Testing Laboratory (AVCP) System 3	99/90/EC Membranes (2/3) : - Damp proofing sheets (for uses subject to reaction to fire regulations).	EN 13967:2012



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Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020. (cont'd)	Annex V- Testing Laboratory (AVCP) System 3	99/91/EC Thermal insulating products (1/2) : - Thermal insulating products (factory-made products and products intended to be formed in-situ) (any).	EN 13162:2012+A1:2015 EN 13163:2012+A1:2015 EN 13164:2012+A1:2015 EN 13165:2012+A1:2016 EN 13166:2012+A1:2016 EN 13167:2012+A1:2015 EN 13168:2012+A1:2015 EN 13169:2012+A1:2015 EN 13170:2012+A1:2015 EN 13171:2012+A1:2015 EN 14064-1:2010 EN 14315-1:2013 EN 14318-1:2013 EN 14933:2007
	Annex V- Testing Laboratory (AVCP) System 3	99/91/EC Thermal insulating products (2/2) : - Thermal insulating products (factory-made products and products intended to be formed in-situ) (for uses subject to regulations on reaction to fire).	EN 13162:2012+A1:2015 EN 13163:2012+A1:2015 EN 13164:2012+A1:2015 EN 13165:2012+A1:2016 EN 13166:2012+A1:2016 EN 13167:2012+A1:2015 EN 13168:2012+A1:2015 EN 13169:2012+A1:2015 EN 13170:2012+A1:2015 EN 13171:2012+A1:2015 EN 14064-1:2010 EN 14315-1:2013 EN 14318-1:2013 EN 14933:2007
	Annex V- Testing Laboratory (AVCP) System 3	99/93/EC Doors, windows, shutters, blinds, gates and related building hardware (1/1) :	EN 14351-1:2006+A2:2016



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Accreditation for the purpose of Notified Body Activity relating to the Northern Ireland market (CE + UKNI) taking into account EA-2/17

Directive/Regulation	Conformity Assessment procedure/Module /Article	Category of products or individual products	Essential requirements:Product specification/ Properties/Standards
Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.	Annex V- Testing Laboratory (AVCP) System 3 - including testing away from site (Article 46)	97/740/EC Masonry and related products (2/3) : - Joist hangers (in walls and partitions), Brackets (in walls and partitions), Ties (in walls and partitions), Tension straps (in walls and partitions).	EN 845-1:2013
	Annex V- Testing Laboratory (AVCP) System 3 - including testing away from site (Article 46)	97/740/EC Masonry and related products (2/3) : - Lintels (in walls and partitions).	EN 845-2:2013
	Annex V- Testing Laboratory (AVCP) System 3	98/436/EC Roof coverings, rooflights, roof windows and ancillary products (6/6)	EN 14351-1:2006+A2:2016
	Annex V- Testing Laboratory (AVCP) System 3	99/90/EC Membranes (1/3) : - Roof underlays (in buildings).	EN 13859-1:2010
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	Annex V- Testing Laboratory (AVCP) System 3	99/90/EC Membranes (1/3) : - Damp proof courses (in buildings).	EN 14909:2012
	Annex V- Testing Laboratory (AVCP) System 3	99/90/EC Membranes (2/3) : - Damp proofing sheets (for uses subject to reaction to fire regulations).	EN 13967:2012



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	Annex V- Testing Laboratory (AVCP) System 3	99/91/EC Thermal insulating products (2/2) : - Thermal insulating products (factory-made products and products intended to be formed in-situ) (for uses subject to regulations on reaction to fire).	EN 13162:2012+A1:2015 EN 13163:2012+A1:2015 EN 13164:2012+A1:2015 EN 13165:2012+A1:2016 EN 13166:2012+A1:2016 EN 13167:2012+A1:2015 EN 13168:2012+A1:2015 EN 13169:2012+A1:2015 EN 13170:2012+A1:2015 EN 13171:2012+A1:2015 EN 14064-1:2010 EN 14315-1:2013 EN 14318-1:2013 EN 14933:2007
	Annex V- Testing Laboratory (AVCP) System 3	99/93/EC Doors, windows, shutters, blinds, gates and related building hardware (1/1) :	EN 14351-1:2006+A2:2016

END