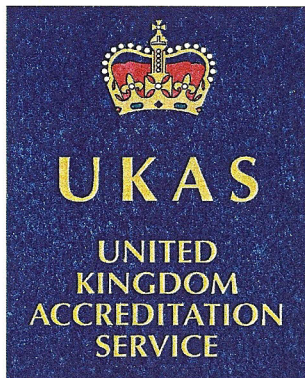


United Kingdom Accreditation Service

ACCREDITATION CERTIFICATE



TESTING LABORATORY
No. 4439

Thomas Bell-Wright International Consultants

is accredited in accordance with the recognised International Standard ISO/IEC 17025:2005
General Requirements for the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope as detailed in and at the locations specified in the schedule to this certificate, and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009).

The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued by the United Kingdom Accreditation Service. The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from the UKAS website www.ukas.com.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements. The absence of a schedule on the UKAS website indicates that the accreditation is no longer in force.

Accreditation Manager, United Kingdom Accreditation Service

Initial Accreditation date
14 August 2009

This certificate issued on
22 March 2013

UKAS is appointed as the sole national accreditation body for the UK by The Accreditation Regulations 2009 (SI No 3155/2009) and operates under a Memorandum of Understanding (MoU) with the Department for Business, Innovation and Skills (BIS).

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p style="margin-top: 10px;">Accredited to ISO/IEC 17025:2005</p>	<h3 style="margin: 0;">Thomas Bell-Wright International Consultants</h3> <p style="margin: 5px 0 0 0;">Issue No: 012 Issue date: 12 June 2014</p>	
	<p>PO Box 26385 No 81 25b St Community 613 Al Aweer Industrial Area Dubai United Arab Emirates</p>	<p>Contact: Mr T Bell-Wright Tel: 9714 333 2692 Fax: 9714 333 2693 E-Mail: tomb-w@bell-wright.com Website: www.bell-wright.com</p>
<p>Testing performed by the organization at the locations specified below</p>		

Locations covered by the Organisation and their relevant activities

Laboratory locations

Location details	Activity	Location code
<p>Address PO Box 26385 No 81 25b St Community 613 Al Aweer Industrial Area Dubai UAE</p>	<p>Testing for fire resistance and reaction to fire of building components and materials including the hose stream application</p> <p>Structural integrity and performance of doors, windows, curtain walling and other elements of building cladding and partitions.</p>	<p>A</p>

Site activities performed away from the location listed above

Location details	Activity	Location code
<p>Buildings</p>	<p>Building air leakage testing</p>	<p>B</p>
<p>Curtain Wall</p>	<p>Water leakage field check</p>	<p>B</p>



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Issue No: 012 Issue date: 12 June 2014

Testing performed at main address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING CONSTRUCTION COMPONENTS AND MATERIALS	Fire resistance (General Requirements)	BS 476 :Part 20:1987 EN 1363-1:2012 EN 1363-2:1999 ISO 834-1:1999 (Amendment 1:2012)	A
FIRE DOORS AND SHUTTERS	Reaction to Fire - surface burning characteristics	ASTM E 84-13 UL 723, 10th Edition, 2008 (using a Steiner tunnel furnace)	A
	Fire resistance	EN 1634-1:2014 BS 476 :Part 22:1987:Section 6, 7 and 8 ISO 3008:2007 UL10B:2008 UL10C:2009 NFPA 252:2012	A
WALLS AND PARTITIONS - non load bearing	Fire resistance	EN 1364-1:1999 BS 476 :Part 22:1987:Section 5 ISO 834-8:2002 ASTM E119-12a NFPA 251:2006 UL 263:2011	A
CURTAIN WALLING	Fire resistance	EN 1364-3:2006 EN 1364-4:2014	A
MARINE CONSTRUCTIONS - bulkheads, doors and windows	Fire resistance	IMO Resolution A.754(18):1993	A
GLAZING	Fire resistance	BS 476 :Part 22:1987:Section 10 ISO 3009:2003 NFPA 257:2012	A
DAMPERS	Fire resistance	UL 555:2006 (fire test only)	A
PENETRATION SEALS	Fire resistance	ASTM E814-13 UL 1479, 3 rd Edition, 2003	A
HOSE STREAM APPLICATION	Integrity of building elements after fire exposure	ASTM E2226-12	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
CONSTRUCTION PRODUCTS AND BUILDING ELEMENTS	Fire classification	EN 13501-2:2007+A1:2009	A
EXTERIOR WINDOWS, CURTAIN WALLS AND DOORS	Air leakage	ASTM E 283:2004(2012)	A
EXTERIOR WINDOWS, DOORS, SKYLIGHTS and CURTAIN WALLS	Structural performance by uniform static air pressure difference (Procedure A)	ASTM E 330/E330M-14	A
	Water penetration by uniform static air pressure difference	ASTM E 331-00(2009)	A
WINDOWS, CURTAIN WALLS and DOORS	Water penetration using dynamic pressure	AAMA 501.1-05	A
EXTERIOR WALLS	Thermal cycling	AAMA 501.5-07	A
WINDOWS and DOORS	Air permeability	BS EN 1026:2000	A
	Watertightness	BS EN 1027:2000	A
	Resistance to wind load	BS EN 12211:2000	A
	Impact resistance – soft and heavy body impactor	BS EN 13049:2003	A
	Air permeability	BS EN 12153:2000	A
CURTAIN WALLING	Watertightness under static pressure	BS EN 12155:2000	A
	Resistance to wind load	BS EN 12179:2000	A
	Impact resistance	BS EN 14019:2004	A
BUILDING ENVELOPES	Air leakage	CWCT Section 5:2005	A
	Water penetration - static method	CWCT Section 6:2005	A
	Water penetration - dynamic aero engine test	CWCT Section 7:2005	A
	Wind resistance - serviceability	CWCT Section 11:2005	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
BUILDING ENVELOPES (cont'd)	Wind resistance – safety	CWCT Section 12:2005	A
	Impact resistance	CWCT Section 15:2005	A
WHOLE BUILDINGS	Air permeability test	EN 13829:2001 ATTMA TS1:2007 ATTMA TS L1:2010 ATTMA TS L2:2010	B
STOREFRONTS, CURTAIN WALLS and SLOPED GLAZING SYSTEMS	Water leakage field check	AAMA 501.2-09	B
	Static test method for evaluating seismic and wind induced interstorey drift	AAMA 501.4-09	A
END			