

# Certificate of Accreditation



## Thomas Bell-Wright International Consultants

Testing Laboratory No. 4439

**Is accredited in accordance with International Standard ISO/IEC 17025:2017 – General Requirements for the competence of testing and calibration laboratories.**

This accreditation demonstrates technical competence for a defined scope specified in the schedule to this certificate, and the operation of a management system (refer joint ISO-ILAC-IAF Communiqué dated April 2017). The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued.

The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from [www.ukas.com](http://www.ukas.com).

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements.

A handwritten signature in black ink, appearing to read "M Gantley", is positioned above a horizontal line.

**Matt Gantley**, *Chief Executive Officer*  
United Kingdom Accreditation Service

Initial Accreditation: 14 August 2009  
Certificate Issued: 25 January 2021




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# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 4439 Accredited to ISO/IEC 17025:2017	<b>Thomas Bell-Wright International Consultants</b>	
	Issue No: 049 Issue date: 03 April 2023	
	PO Box 26385 Corner of 46th and 47th Streets Jebel Ali Industrial Area 1 Dubai United Arab Emirates	Contact: Ms Sandy Dweik Tel: +971 (0)4 821 5777 E-Mail: sandy.dweik@bell-wright.com Website: www.bell-wright.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
PO Box 26385 Corner of 46th and 47th Streets Jebel Ali Industrial Area 1 Dubai UAE	Structural integrity and performance of doors, windows, curtain walling and other elements of building cladding and partitions. Testing for fire resistance of building components and materials including the hose stream application. <i>(all fire resistance testing includes testing in a standard 3m*3m vertical furnace, a 1.8m*1.8m cube furnace, a 5m*4m horizontal furnace and a 5m*4m vertical furnace)</i> Testing for reaction to fire of building components and materials	Lab

#### Site activities performed away from the location listed above

Location details	Activity	Location code
Buildings	Building air leakage testing and water permeability	Site
Curtain Walling	Water leakage field check and air leakage	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
BUILDING CONSTRUCTION COMPONENTS AND MATERIALS - Reaction to fire	Reaction to fire - surface burning characteristics	ASTM E 84-22 UL 723, 11th Edition, 2018 (Using a Steiner Tunnel)	Lab
	Reaction to fire - non-combustibility	BS EN ISO 1182:2020 BS EN ISO 1182:2010 (withdrawn) ASTM E 2652-18 ASTM E136-19a Option B	Lab
	Reaction to fire - ignitability	BS EN ISO 11925-2 :2020	Lab
	Reaction to fire - calorific value	BS EN ISO 1716 :2018	Lab
	Reaction to fire tests for building products excluding floorings exposed to the thermal attack by a single burning item	BS EN 13823:2020	Lab
FLOOR COVERINGS	Reaction to fire - critical radiant flux of floor-covering systems	ASTM E648 -19a <sup>e1</sup> (Using a radiant heat energy source) NFPA 253:2019	Lab
	Reaction to fire - Determination of the burning behaviour using a radiant heat source	BS EN ISO 9239-1:2010	Lab
PLASTICS	Reaction to fire – ignition temperature	BS ISO 871:2022 ASTM D1929 – 20	Lab
EXTERNAL WALL ASSEMBLIES	Reaction to fire - ignitability using a radiant heat energy source	NFPA 268:2022	Lab



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NON-LOADBEARING EXTERNAL CLADDING SYSTEMS	Reaction to fire	Methods of tests required for BR135 - Fire performance of external thermal insulation for walls of multistorey buildings  BS 8414-1:2020 BS 8414-2:2020	Lab
CONSTRUCTION PRODUCTS AND BUILDING ELEMENTS	Fire testing	Methods of test required for the Fire classification of construction products and building elements (BS EN 13501-1 and BS EN 13501-2) using data from the fire tests detailed within this schedule	Lab
BUILDING CONSTRUCTION COMPONENTS AND MATERIALS - Fire resistance	Fire resistance (General Requirements)	BS 476 - 20:1987 (Amd 1:1990, Corr 1:2014) EN 1363-1:2020 EN 1363-2:1999 ISO 834-1:1999 (Amd 1:2012) IS/ISO 834-1:1999 (Amd 1:2012) SANS 10177-1:2005	Lab
WALLS AND PARTITIONS - Non load bearing	Fire resistance	EN 1364-1:2015 BS 476 - 22:Section 5 :1987 Corr 1 :2014 ISO 834-8:2002 corr 1 :2009 IS/ISO 834-8 :2002 corr 1 :2009 ASTM E119-20 NFPA 251:2006 UL 263 Ed 14:2021 SANS 10177-2:2005	Lab



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WALLS and PARTITIONS - Load bearing	Fire resistance	BS EN 1365-1:2012 BS 476 - 21:Section 8 :1987 Corr 1:2014 ISO 834-4:2000 IS/ISO 834-4:2000 ASTM E119-20 NFPA 251:2006 UL 263 Ed 14:2021 SANS 10177-2:2005	Lab
CEILINGS - Non load bearing	Fire resistance	BS EN 1364-2:2018 BS 476 - 22:Section 9:1987 Corr 1 :2014 ISO 834-9:2003Cor1 :2009 IS/ISO 834-9 :2003Cor1 :2009 ASTM E119-20 NFPA 251:2006 UL 263 Ed 14:2021 SANS 10177-2:2005	Lab
FLOORS AND ROOFS - Load bearing	Fire resistance	BS EN 1365-2:2014 BS 476 - 21; Section 7:1987 Corr 1:2014 ISO 834-5:2000 IS/ISO 834-5:2000 ASTM E119-20 NFPA 251:2006 UL 263 Ed 14:2021 SANS 10177-2:2005	Lab
BEAMS - Load bearing	Fire resistance	BS EN 1365-3:2000 BS 476 - 21; Section 5:1987 corr 1: 2014 ISO 834-6:2000 IS/ISO 834-6:2000 ASTM E119-20 NFPA 251:2006 UL 263 Ed 14:2021 SANS 10177-2:2005	Lab



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COLUMNS - Load bearing	Fire resistance	BS EN 1365-4:1999 BS 476 - 21; Section 6:1987 Corr 1 :2014 ISO 834-7:2000 IS/ISO 834-7:2000 ASTM E119-20 NFPA 251:2006 UL 263 Ed 14:2021 SANS 10177-2:2005	Lab
DOOR, SHUTTER AND OPENABLE WINDOW ASSEMBLIES	Fire resistance	EN 1634-1:2014+A1 :2018 BS 476 - 22:1987:Section 6, 7 and 8 Corr 1:2014 ISO 3008-1:2019 UL10B:2020 UL10C:2016 UL10D:2017 NFPA 252:2022 SANS 10177-2:2005 IS 16947:2018 NFPA 288:2022	Lab
BUILDING HARDWARE	Fire resistance	BS EN 1634-2:2008	Lab
HORIZONTAL PROTECTIVE MEMBRANES	Fire resistance	BS EN 13381-1:2020 BS 476 Part 23:1987	Lab
APPLIED PASSIVE PROTECTION PRODUCTS	Fire resistance	BS EN 13381-4:2013	Lab
APPLIED REACTIVE PROTECTION PRODUCTS	Fire resistance	BS EN 13381-8:2013	Lab
RAISED ACCESS AND HOLLOW CORE FLOORS	Fire resistance	BS EN 1366-6:2004	Lab
WINDOW ASSEMBLIES	Fire resistance	UL 9 Ed 8 2020	Lab
GLAZING	Fire resistance	BS 476 - 22:1987:Section 10 Corr 1 :2014 ISO 3009:2003 NFPA 257:2022 IS 16945:2018	Lab
CURTAIN WALLING	Fire resistance	EN 1364-3:2014 EN 1364-4:2014	Lab



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MARINE CONSTRUCTIONS - bulkheads, doors and windows	Fire resistance	IMO FTP Code 2010:2012 Edition Edition - MSC 307(88) –Annex 1 : Part 3 – Appendix 1 ISO 20902-1:2018	Lab
BUILDING JOINT SYSTEMS	Fire resistance	UL 2079 5th Edition 2020	Lab
PENETRATION SEALS	Fire resistance	BS EN 1366-3:2009 ASTM E814-13a(2017) UL 1479 Ed4:2021	Lab
LINEAR JOINT SEALS	Fire resistance	BS EN 1366-4:2021	Lab
AIR TRANSFER GRILLES	Fire resistance	BS EN 1364-5:2017	Lab
VENTILATION DUCTS	Fire resistance	BS 476 Part 24:1987	Lab
DAMPERS	Fire resistance	BS EN 1366-2:2015 UL 555 Ed 7:2020 (fire test only)	Lab
SERVICE DUCTS AND SHAFTS	Fire resistance	BS EN 1366-5:2021	Lab
HOSE STREAM APPLICATION	Integrity of building elements after fire exposure	ASTM E2226-15b(2019)	Lab
EXTERIOR WINDOWS, CURTAIN WALLS AND DOORS	Air leakage	ASTM E283/E283M-19	Lab
INSTALLED EXTERIOR WINDOWS, CURTAIN WALLS AND DOORS	Air leakage	ASTM E783:02(2018)	Site
EXTERIOR WINDOWS, DOORS, SKYLIGHTS and CURTAIN WALLS	Structural performance by uniform static air pressure difference (Procedure A)	ASTM E 330/E330M-14	Lab
	Water penetration by uniform static air pressure difference	ASTM E 331-00(2016)	Lab
	Water penetration	ASTM E547 - 00(2016)	Lab



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INSTALLED EXTERIOR WINDOWS, DOORS, SKYLIGHTS and CURTAIN WALLS	Water penetration by uniform static air pressure difference	ASTM E1105-15	Site
WINDOWS, CURTAIN WALLS and DOORS	Water penetration using dynamic pressure	AAMA 501.1-17	Lab
EXTERIOR WALLS	Thermal cycling	AAMA 501.5-07	Lab
WINDOWS and DOORS	Air permeability	BS EN 1026:2016	Lab
	Watertightness	BS EN 1027:2016	Lab
	Resistance to wind load	BS EN 12211:2016	Lab
	Impact resistance – soft and heavy body impactor	BS EN 13049:2003	Lab
	CURTAIN WALLING	Air permeability	BS EN 12153:2000
Watertightness under static pressure		BS EN 12155:2000	Lab
Resistance to wind load		BS EN 12179:2000	Lab
Impact resistance		BS EN 14019:2016	Lab
Vertical inter-story movements		AAMA 501.7-17	Lab
BUILDING ENVELOPES	Air leakage	CWCT Section 5:2005	Lab
	Water penetration - static method	CWCT Section 6:2005	Lab
	Water penetration - dynamic aero engine test	CWCT Section 7:2005	Lab
	Water Penetration - hose test	CWCT Section 9: 2005	Lab & Site
	Wind resistance - serviceability	CWCT Section 11:2005	Lab
	Wind resistance – safety	CWCT Section 12:2005	Lab





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BUILDING ENVELOPES (cont'd)	Impact resistance	CWCT Section 15:2005	Lab
GLAZED ROOFING	Safety and fragility tests - temperature range 20°C to 50°C	CWCT Technical Note No 67	Lab
WHOLE BUILDINGS	Air permeability test	BS EN 13829:2001 BS EN ISO 9972:2015 ATTMA TS1:2007 ATTMA TSL1:2010 & 2016 ATTMA TSL2:2010	Site
STOREFRONTS, CURTAIN WALLS and SLOPED GLAZING SYSTEMS	Water leakage field check	AAMA 501.2-15	Lab & Site
	Static test method for evaluating seismic and wind induced interstorey drift	AAMA 501.4-18	Lab
SAFETY GLASS	Performance tests	ASTM E 2353-16 ASTM E935-13 e1 BS EN 14428:2018 Clause 5.1&5.2 ANSI Z97.1-2015(R2020) Clause 5.1, 5.2 and 5.3 CPSC 16 CFR 1201.4 (1.1.12 edition)	Lab
SHEET METAL ROOFING and SIDING SYSTEMS	Structural performance by uniform static air pressure difference	ASTM E 1592- 05(2017)	Lab
<b>END</b>			