

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

Thomas Bell-Wright International Consultants

Issue No: 044 Issue date: 05 July 2021

PO Box 26385
Corner of 46th and 47th Streets
Jebel Ali Industrial Area 1
Dubai
United Arab Emirates

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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
Smoke Management Systems	Hot smoke test	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 84-21a 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	Reaction to fire - non-combustibility	BS EN ISO 1182:2020 BS EN ISO 1182:2010 (withdrawn) ASTM E 2652-18 ASTM E136-19a Option B	Lab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 - cone calorimeter	BS ISO 5660-1:2015+A1:2019 ASTM E 1354:2017	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 ^{e1} (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 871:2006 ASTM D1929 – 20	Lab
EXTERNAL WALL ASSEMBLIES	Reaction to fire - ignitability using a radiant heat energy source	NFPA 268:2017	Lab



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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 14:2011 SANS 10177-2:2005	Lab
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 14:2011 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 14:2011 SANS 10177-2:2005	Lab



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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 14:2011 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 14:2011 SANS 10177-2:2005	Lab
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 14:2011 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:2008 UL10C:2016 UL10D:2017 NFPA 252:2017 SANS 10177-2:2005 IS 16947:2018 IS 3614-2:1992 NFPA 288:2017	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



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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 2009	Lab
GLAZING	Fire resistance	BS 476 - 22:1987:Section 10 Corr 1 :2014 ISO 3009:2003 NFPA 257:2012 IS 16945:2018	Lab
CURTAIN WALLING	Fire resistance	EN 1364-3:2014 EN 1364-4:2014	Lab
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 UL 1479, 4th Edition, 2015	Lab
LINEAR JOINT SEALS	Fire resistance	BS EN 1366-4:2006 + A1:2010	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 555:2006 (fire test only)	Lab
SERVICE DUCTS AND SHAFTS	Fire resistance	BS EN 1366-5:2010	Lab
HOSE STREAM APPLICATION	Integrity of building elements after fire exposure	ASTM E2226-15b(2019)	Lab



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CONSTRUCTION PRODUCTS AND BUILDING ELEMENTS	Fire classification	BS EN 13501-1:2018 EN 13501-2:2016	Lab
NON-LOADBEARING EXTERNAL CLADDING SYSTEMS	Fire propagation	BS 8414-1:2020 BS 8414-2:2020	Lab
EXTERNAL THERMAL INSULATION	Classification of fire performance of external thermal insulation for walls of multi-storey buildings	BRE BR135 (3rd Edition) 2013	Lab
EXTERNAL CLADDING SYSTEMS	Reaction to fire – fire propagation and classification	AS 5113 :2016 – Excluding the Building to Building Test. Classification to AS 5113 based on test results provided by an accredited laboratory	Lab
SMOKE MANAGEMENT SYSTEMS	Hot smoke test	AS 4391:1999 (R2016)	Site
EXTERIOR WINDOWS, CURTAIN WALLS AND DOORS	Air leakage	ASTM E 283:2004(2012)	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
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



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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	Lab
	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
BUILDING ENVELOPES	Vertical inter-story movements	AAMA 501.7-17	Lab
	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
GLAZED ROOFING	Wind resistance - serviceability	CWCT Section 11:2005	Lab
	Wind resistance – safety	CWCT Section 12:2005	Lab
	Impact resistance	CWCT Section 15:2005	Lab
	Safety and fragility tests - temperature range 20°C to 50°C	CWCT Technical Note No 67	Lab



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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 ANSI Z97.1-2015 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
END			