

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|---|--|---|
|  <p>0057</p> <p>Accredited to ISO/IEC 17025:2005</p> | <h3>VINCI Technology Centre UK Limited</h3> <p>Issue No: 059 Issue date: 25 July 2018</p> | |
| | <p>Technology Centre Stanbridge Road Leighton Buzzard Bedfordshire LU7 4QH</p> | <p>Contact: Mr S E Boyd Tel: +44 (0)7816 514671 / (0)1525 859078 Fax: +44 (0)1525 859001 E-Mail: steve.boyd@technology-centre.co.uk Website: www.technology-centre.co.uk</p> |
| <p>Testing performed by the Organisation at the locations specified below</p> | | |

Locations covered by the organisation and their relevant activities

Laboratory locations:

| Location details | Activity | Location code |
|---|--|---------------|
| <p>Address Technology Centre Stanbridge Road Leighton Buzzard Bedfordshire LU7 4QH</p> <p>Contact: Mr S E Boyd</p> <p>Tel: +44 (0)7816 514671/(0)1525 859078 Fax: +44 (0)1525 859001 E-Mail: steve.boyd@technology-centre.co.uk</p> | <p>Building elements Concrete and mortars Earth moving machinery and construction plant Floors Paints and varnishes Paved surfaces Road and airfield surface characteristics Road pavement surfaces Windows, curtain walls and doors Acoustics Facades Roofs</p> | A |

Site activities performed away from the locations listed above:

| Location details | Activity | Location code |
|---|--|---------------|
| <p>At all locations suitable for the activities listed</p> <p>Contact: Mr S E Boyd</p> | <p>Building Air Leakage Tests Paved surfaces Road and airfield surface characteristics Road pavement surfaces Windows, curtain walls 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).</p> | B |



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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 |
|--|--|---|---------------|
| BUILDINGS | Building Air Leakage Test | CIBSE TM23:2000 BS EN 13829:2001 (Withdrawn) BS EN ISO 9972:2015 ATTMA Technical Standard 1 | B |
| | Building Air Leakage Test Dwellings | ATTMA TSL1:2010 | B |
| | Building Air Leakage Test Dwellings | ATTMA TSL1:2016 | |
| | Building Air Leakage Test Non-dwellings | ATTMA TSL2:2010 | B |
| BUILDING ELEMENTS Walls Doors Windows Glazing Façade elements | Laboratory measurement of airborne sound insulation of building elements | BS EN ISO 140-3:1995 BS EN ISO 10140-2:2010 | A |
| BUILDING ELEMENTS Walls Floors | Field measurement of airborne sound insulation between rooms | 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). BS EN ISO 140-4:1998 ISO 140-4:1998 | B |
| FLOORS | Field measurement of impact sound insulation of floors | 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). BS EN ISO 140-7:1998 ISO 140-7:1998 | B |



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| FAÇADED AND FAÇADE ELEMENTS | Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms | BS EN ISO 10848-2:2006 BS EN ISO 10848-3:2006 | A |
| ROOF AND ROOF ELEMENTS | Laboratory measurement of sound generated by rainfall on building elements | BS EN ISO 140-18:2006 | A |
| CONCRETE - fresh | Slump | BS EN 12350-2:2009 | A |
| | Making cubic specimens for strength tests | BS EN 12390-2:2009 | A |
| | Curing cubic specimens for strength tests | BS EN 12390-2:2009 | A |
| | Making cylindrical specimens for strength tests | BS EN 12390-2:2009 | A |
| | Curing cylindrical specimens for strength tests | BS EN 12390-2:2009 | A |
| | Making prism specimens for strength tests | BS EN 12390-2:2009 | A |
| | Curing prism specimens for strength tests | BS EN 12390-2:2009 | A |
| CONCRETE - hardened | Compressive strength of cubes - including curing | BS EN 12390-3:2009 BS EN 12390-1:2012 BS EN 12390-2:2009 | A |
| | Compressive strength of cylinders - including curing | BS EN 12390-3:2009 BS EN 12390-1:2012 BS EN 12390-2:2009 | A |
| | Flexural strength | BS EN 12390-5:2009 | A |
| | Tensile splitting strength | BS EN 12390-6:2009 | A |
| | Density | BS EN 12390-7:2009 | A |



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| CONCRETE – hardened (cont'd) | Cored specimens - testing in compression | BS EN 12504-1:2009 | A |
| | Gas permeability and diffusion coefficients | Documented In-House Method No TP1303/90/4672 | A |
| CONCRETE and MORTARS - hardened | Chloride content | Documented In-House Method No TP1303/90/4670 | A |
| CONCRETE, MORTAR AND CEMENT-BASED REPAIR MATERIALS | Chloride migration coefficient from non-steady-state migration experiments | NT Build 492 Approved 1999-11 | A |
| CURTAIN WALLING RAINScreens SLOPE GLAZING | Air Leakage | CWCT Standards for Systemised Building Envelopes and Test Methods for Building Envelopes, December 2005 Section 5 | A |
| | Water Penetration - Static Method | Section 6 | A & B |
| | Water Penetration - Dynamic, Aero Engine | Section 7 | A |
| | Water Penetration - Hose Test | Section 9 | A & B |
| | Water Penetration - Spraybar | Section 10 | A & B |
| | Wind Resistance - Serviceability | Section 11 | A |
| | Wind Resistance - Safety | Section 12 | A |
| | Impact Test | Section 15 | A |
| EARTH MOVING MACHINERY and CONSTRUCTION PLANT - roll over protective structures (ROPS) | Force-deflection characteristics under static loading (temperature ambient) | BS EN ISO 3471:2008 BS 6912-14:2000 (Withdrawn) BS EN 13510:2000 (Withdrawn) | A |



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| EARTH MOVING MACHINERY and CONSTRUCTION PLANT - falling object protective structures (FOPS) (cont'd) | Deflection characteristics under impact of falling mass (temperature ambient) | BS EN ISO 3449:2008 BS 6912-6:2000 (Withdrawn) BS EN 13627:2000 (Withdrawn) | A |
| GLAZED ROOFING | Safety and Fragility tests Temperature range -20 °C to 50 °C | CWCT Technical Note No 67 | A |
| CURTAIN WALLING | Air permeability | BS EN 12153:2000 | A |
| | Watertightness under static pressure | BS EN 12155:2000 | A |
| | Resistance to wind loading | BS EN 12179:2000 | A |
| | Impact resistance of opaque wall components - Hard body impact tests | BS 8200:1985 CWCT Technical Note No. 76 | A |
| | Impact resistance of opaque wall components - Soft body impact tests | BS 8200:1985 CWCT Technical Note No. 76 | A |
| EXTERIOR WINDOWS, CURTAIN WALLS and DOORS | Impact resistance | BS EN 14019:2016 BS EN 13049:2003 | A |
| | Watertightness under static pressure | BS EN 12155:2000 BS EN 1027:2000 | A |
| | Rate of air leakage | ASTM E 283-04 | A |
| | Water penetration by uniform static pressure difference | ASTM E 331-00 (Reapproved 2016) | A |
| | Water penetration using dynamic pressure | AAMA 501.1-94 | A |
| | Structural performance by uniform static air pressure difference | ASTM E 330-02 (Reapproved 2010) | A |



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| EXTERIOR WINDOWS, CURTAIN WALLS and DOORS (cont'd) | Hose test | AAMA 501.2-09 | A |
| WINDOWS AND DOORS | Weathertightness | BS 6375:Part 1:2015 | A |
| | Air permeability | BS EN 1026:2016 | A |
| | Watertightness | BS EN 1027:2016 | A |
| | Wind resistance | BS EN 12211:2016 | A |
| PAINTS AND VARNISHES. COATING MATERIALS AND COATING SYSTEMS FOR EXTERIOR MASONRY AND CONCRETE | Determination of carbon dioxide permeability | BS EN 1062-6:2002 & Documented In-House Method TP950/05/13569 | A |
| NATURAL STONE | Slip resistance | BS EN 14231:2003 | A & B |
| PAVED SURFACES | Slip resistance value Surface roughness | The assessment of floor slip resistance. The UK slip resistance group guidelines, Issue 5:October 2016 | A & B |
| | Unpolished slip resistance value | BS EN 1339:2003 | B |
| WINDOWS and CURTAIN WALLING | Watertightness Site Test | BS EN 13051:2001 | B |
| | Hose Test | AAMA 501.2-09 | B |
| END | | | |



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Accreditation for the purpose of Notified Body Activity taking into account EA2/17

| 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 | Annex V- Test Laboratory System 3 | Decision 96/580/EC; Curtain wallings (1/1): - Curtain wall kits (as external walls not subject to reaction to fire requirements), Curtain wall kits (as external walls subject to reaction to fire requirements) | EN 13830:2003 |

END