



Acoustic Testing Services Limited
聲學測試服務有限公司

ADDRESS : Unit E, 2/F, Century Industrial Centre, 33-35 Au Pui Wan Street, Fo Tan,
地址 Shatin, New Territories, Hong Kong
香港新界沙田火炭坳背灣街 33-35 號世紀工業中心 2 字樓 E 室

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香港新界沙田火炭坳背灣街 33-35 號世紀工業中心 2 字樓 E 室

Test Location at Guangzhou City Room 7001, South China University of Technology, Guangzhou City, Guangdong Province, P. R. China
中國廣東省廣州市華南理工大學 7 號樓 7001 室

Test Location at Jiangmen City No. 1, 1st Industrial Area, Lile, Wusha, Jianghai District, Jiangmen, Guangdong Province, P. R. China
中國廣東省江門市江海區禮樂鎮烏紗第一工業園 1 號

Test Location at Dongguan City Chemco Building, Wang Zhongming Road Nos.1, Shipai Town, Dongguan City, Guangdong Province, P. R. China
中國廣東省東莞市石排鎮王仲銘大道興隆一路精科大廈

ACCREDITED TEST CATEGORY : Construction Materials 建築材料
認可測試類別

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| Construction Materials 建築材料 | | |
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| ITEM TESTED OR MEASURED 測試或量度項目 | SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性 | SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術 |
| Acoustics (Sound insulation) | Laboratory measurement of airborne sound insulation of building elements | BS 2750: Part 3: 1995 BS EN ISO 140-3: 1995 + Amd. A1: 2004 BS EN ISO 10140-1: 2010 + Amd. A2: 2014 BS EN ISO 10140-1: 2016 BS EN ISO 10140-2: 2010 BS EN ISO 10140-4: 2010 BS EN ISO 10140-5: 2010 + Amd. A1: 2014 in conjunction with the following rating method(s): BS EN ISO 717-1: 1997 BS EN ISO 717-1: 2013 BS EN ISO 717-1: 2020 ISO 717-3: 1982 |
| | 建筑构件空气声隔声的实验室测量 | GB/T 19889.3-2005 in conjunction with the following rating method: GB/T 50121-2005 |
| | Laboratory measurement of airborne sound insulation of small building elements | BS EN 20140-10: 1992 ISO 140-10: 1991 in conjunction with the following rating method(s): BS EN ISO 717-1: 1997 ISO 717-3: 1982 |
| | Laboratory measurement of airborne sound transmission loss of building partitions and elements | ASTM E90-04 ASTM E90-09 ASTM E90-09 (2016) in conjunction with the following rating method(s): ASTM E413-04 ASTM E413-10 ASTM E413-16 ASTM E1332-90 (2003) ASTM E1332-10a ASTM E1332-16 BS EN ISO 717-1: 1997 BS EN ISO 717-1: 2013 BS EN ISO 717-1: 2020 |

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| Acoustics (Sound insulation) (cont'd) | Laboratory measurement of intrinsic characteristics of airborne sound insulation for road traffic noise reducing devices. | BS 2750: Part 3: 1995 BS EN ISO 140-3: 1995 + Amd. A1: 2004 BS EN ISO 10140-2: 2010 in conjunction with the following specification(s): BS EN 1793-2: 1998 BS EN 1793-2: 2012 BS EN 1793-2: 2018 BS EN 1793-3: 1998 |
| | Field measurement of airborne sound insulation between rooms in buildings and of building elements | BS EN ISO 140-4: 1998 in conjunction with the following rating method: BS EN ISO 717-1: 1997 |
| | Field measurement of airborne sound attenuation between rooms in buildings | ASTM E336-09 ASTM E336-10 ASTM E336-11 ASTM E336-14 ASTM E336-16 ASTM E336-17a ASTM E336-20 in conjunction with the following rating method(s): ASTM E413-04 ASTM E413-10 ASTM E413-16 |
| Acoustics (Sound absorption) | Laboratory measurement of sound absorption in a reverberation room (All Mounting Types) | BS EN ISO 354: 2003 in conjunction with the following rating method: BS EN ISO 11654: 1997 |
| | Laboratory measurement of sound absorption and sound absorption coefficients by the reverberation room method (All Mounting Types) | ASTM C423-02a ASTM C423-08a ASTM C423-09a ASTM C423-17 in conjunction with the following mounting method(s): ASTM E795-05 ASTM E795-16 |
| | Laboratory measurement of intrinsic characteristics of sound absorption for road traffic noise reducing devices | BS EN ISO 354: 2003 in conjunction with the following specification(s): BS EN 1793-1: 1998 BS EN 1793-1: 2012 BS EN 1793-1: 2017 BS EN 1793-3: 1998 |

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| Acoustics (Sound absorption) (cont'd) | 混响室吸声測量 (所有安装类型) | GB/T 20247-2006 in conjunction with the following rating method: BS EN ISO 11654: 1997 |
| Acoustics (Impact insulation) | Field measurement of impact sound insulation of floors in buildings and of building elements 樓板撞击声隔声的现场測量 | BS EN ISO 140-7: 1998 ISO 140-7: 1998 in conjunction with the following rating method: BS EN ISO 717-2: 1997 GB/T 19889.7 – 2005 in conjunction with the following rating method: GB/T 50121 – 2005 |
| | Field measurement of tapping machine impact sound transmission through floor-ceiling assemblies and associated support structures. | ASTM E1007-04 ^{e1} ASTM E1007-11 ASTM E1007-13 ASTM E1007-14 ASTM E1007-16 ASTM E1007-19 in conjunction with the following rating method(s): ASTM E989-06 ASTM E989-06 (2012) ASTM E989-18 |
| | Field measurement of rain impact insulation of building elements excited by artificial rainfall | In house method ATS-IHM002-RI |
| Acoustics (Sound power level and sound energy level) | Laboratory measurement of sound power levels and sound energy levels of noise sources using sound pressure – precision methods for reverberation test rooms | BS EN ISO 3741: 2010 |
| Acoustics (others) | Field measurement of background noise for rooms of Noise Criteria (NC) and/or Noise Rating (NR) | In house method ATS-IHM001-NC |
| | Field measurement of reverberation time in ordinary rooms | BS EN ISO 3382-2: 2008 |

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| Acoustics (Sound insulation) | Laboratory measurement of airborne sound insulation of building elements | BS 2750: Part 3: 1995 BS EN ISO 140-3: 1995 + Amd. A1: 2004 BS EN ISO 10140-1: 2010 + Amd. A2: 2014 BS EN ISO 10140-1: 2016 BS EN ISO 10140-2: 2010 BS EN ISO 10140-4: 2010 BS EN ISO 10140-5: 2010 + Amd. A1: 2014 in conjunction with the following rating method(s): BS EN ISO 717-1: 1997 BS EN ISO 717-1: 2013 BS EN ISO 717-1: 2020 ISO 717-3: 1982 |
| | 建筑构件空气声隔声的实验室测量 | GB/T 19889.3-2005 in conjunction with the following rating method: GB/T 50121-2005 |
| | Laboratory measurement of airborne sound insulation of small building elements | BS EN 20140-10: 1992 ISO 140-10: 1991 in conjunction with the following rating method(s): BS EN ISO 717-1: 1997 ISO 717-3: 1982 |
| | Laboratory measurement of airborne sound transmission loss of building partitions and elements | ASTM E90-04 in conjunction with the following rating method(s): ASTM E413-04 ASTM E413-10 ASTM E413-16 BS EN ISO 717-1: 1997 BS EN ISO 717-1: 2013 BS EN ISO 717-1: 2020 |
| | Laboratory measurement of intrinsic characteristics of airborne sound insulation for road traffic noise reducing devices. | BS 2750: Part 3: 1995 BS EN ISO 140-3: 1995 + Amd. A1: 2004 BS EN ISO 10140-2: 2010 in conjunction with the following specification(s): BS EN 1793-2: 1998 BS EN 1793-2: 2012 BS EN 1793-2: 2018 BS EN 1793-3: 1998 |

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| Acoustics (Sound absorption) | <p>Laboratory measurement of sound absorption in a reverberation room (All Mounting Types)</p> <p>Laboratory measurement of sound absorption and sound absorption coefficients by the reverberation room method (All Mounting Types)</p> <p>Laboratory measurement of intrinsic characteristics of sound absorption for road traffic noise reducing devices</p> <p>混响室吸声测量 (所有安装类型)</p> | <p>BS EN ISO 354: 2003 in conjunction with the following rating method: BS EN ISO 11654: 1997</p> <p>ASTM C423-02a ASTM C423-08a ASTM C423-09a ASTM C423-17 in conjunction with the following mounting method(s): ASTM E795-05 ASTM E795-16</p> <p>BS EN ISO 354: 2003 in conjunction with the following specification(s): BS EN 1793-1: 1998 BS EN 1793-1: 2012 BS EN 1793-1: 2017 BS EN 1793-3: 1998</p> <p>GB/T 20247-2006 in conjunction with the following rating method: BS EN ISO 11654: 1997</p> |

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| Acoustics (Sound insulation) | Laboratory measurement of airborne sound insulation of building elements | BS 2750: Part 3: 1995 BS EN ISO 140-3: 1995 + Amd. A1: 2004 BS EN ISO 10140-1: 2010 + Amd. A2: 2014 BS EN ISO 10140-1: 2016 BS EN ISO 10140-2: 2010 BS EN ISO 10140-4: 2010 BS EN ISO 10140-5: 2010 + Amd. A1: 2014 in conjunction with the following rating method(s): BS EN ISO 717-1: 1997 BS EN ISO 717-1: 2013 BS EN ISO 717-1: 2020 ISO 717-3: 1982 |
| | 建筑构件空气声隔声的实验室测量 | GB/T 19889.3-2005 in conjunction with the following rating method: GB/T 50121-2005 |
| | Laboratory measurement of airborne sound insulation of small building elements | BS EN 20140-10: 1992 ISO 140-10: 1991 in conjunction with the following rating method(s): BS EN ISO 717-1: 1997 ISO 717-3: 1982 |
| | Laboratory measurement of airborne sound transmission loss of building partitions and elements | ASTM E90-04 ASTM E90-09 ASTM E90-09 (2016) in conjunction with the following rating method(s): ASTM E413-04 ASTM E413-10 ASTM E413-16 ASTM E1332-90 (2003) ASTM E1332-10a ASTM E1332-16 BS EN ISO 717-1: 1997 BS EN ISO 717-1: 2013 BS EN ISO 717-1: 2020 |

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| Acoustics (Sound insulation) (cont'd) | Laboratory measurement of intrinsic characteristics of airborne sound insulation for road traffic noise reducing devices. | BS 2750: Part 3: 1995 BS EN ISO 140-3: 1995 + Amd. A1: 2004 BS EN ISO 10140-2: 2010 in conjunction with the following specification(s): BS EN 1793-2: 1998 BS EN 1793-2: 2012 BS EN 1793-2: 2018 BS EN 1793-3: 1998 |
| Acoustics (Sound absorption) | Laboratory measurement of sound absorption in a reverberation room (All Mounting Types) | BS EN ISO 354: 2003 in conjunction with the following rating method: BS EN ISO 11654: 1997 |
| | Laboratory measurement of sound absorption and sound absorption coefficients by the reverberation room method (All Mounting Types) | ASTM C423-02a ASTM C423-08a ASTM C423-09a ASTM C423-17 in conjunction with the following mounting method(s): ASTM E795-05 ASTM E795-16 |
| | Laboratory measurement of intrinsic characteristics of sound absorption for road traffic noise reducing devices | BS EN ISO 354: 2003 in conjunction with the following specification(s): BS EN 1793-1: 1998 BS EN 1793-1: 2012 BS EN 1793-1: 2017 BS EN 1793-3: 1998 |
| | 混响室吸声测量 (所有安装类型) | GB/T 20247-2006 in conjunction with the following rating method: BS EN ISO 11654: 1997 |

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| Acoustics (Impact insulation) | Laboratory measurement of impact sound insulation of floors in buildings and of building elements 樓板撞擊聲隔聲的實驗室測量 | BS EN ISO 140-6: 1998 ISO 140-6: 1998 in conjunction with the following rating method: BS EN ISO 717-2: 1997 GB/T 19889.6 – 2005 in conjunction with the following rating method: GB/T 50121 – 2005 |
| | Laboratory measurement of impact sound transmission through floor-ceiling assemblies using the tapping machine | ASTM E492-09 ASTM E492-09 (2016) ^{e1} in conjunction with the following rating method(s): ASTM E989-06 ASTM E989-06 (2012) ASTM E989-18 |
| | Laboratory measurement of the reduction of transmitted impact noise by floor coverings on a heavyweight standard floor in buildings and of building elements 重質標準樓板覆面層撞擊聲改善量的實驗室測量 | BS EN ISO 140-8: 1998 ISO 140-8: 1997 in conjunction with the following rating method: BS EN ISO 717-2: 1997 GB/T 19889.8 – 2006 in conjunction with the following rating method: GB/T 50121 – 2005 |
| | Laboratory measurement of impact sound insulation of building elements | BS EN ISO 10140-1: 2010+ Amd. A2: 2014 BS EN ISO 10140-1: 2016 BS EN ISO 10140-3: 2010 + Amd. A1: 2015 BS EN ISO 10140-4: 2010 BS EN ISO 10140-5: 2010+ Amd. A1: 2014 in conjunction with the following rating method(s): BS EN ISO 717-2: 1997 BS EN ISO 717-2: 2013 BS EN ISO 717-2: 2020 |
| | Laboratory measurement of the effectiveness of floor coverings in reducing impact sound transmission through concrete floors | ASTM E2179-03 (2009) ASTM E2179-03 (2016) in conjunction with the following rating method(s): ASTM E989-06 ASTM E989-06 (2012) ASTM E989-18 BS EN ISO 717-2: 1997 BS EN ISO 717-2: 2020 |

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| Acoustics (Impact insulation) (cond't) | Laboratory measurement of sound generated by rainfall on building elements | BS EN ISO 140-18: 2006 |
| Acoustics (Sound power level and sound energy level) | Laboratory measurement of sound power levels and sound energy levels of noise sources using sound pressure – precision methods for reverberation test rooms | BS EN ISO 3741: 2010 |
| Acoustics (others) | Laboratory measurement of room-to-room airborne sound insulation of a suspended ceiling with a plenum above it | BS 2750-9: 1987 BS EN 20140-9: 1994 ISO 140-9: 1985 in conjunction with the following rating method: BS EN ISO 717-1: 1997 |
| | Laboratory measurement of airborne sound attenuation between rooms sharing a common ceiling plenum | ASTM E1414-06 ASTM E1414/E1414M-11 ASTM E1414/E1414M-11a ^{e1} ASTM E1414/E1414M-16 ASTM E1414/E1414M-21 in conjunction with the following rating method(s): ASTM E413-10 ASTM E413-16 |
| | Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms – application to light elements when the junction has a small influence | BS EN ISO 10848-2: 2006 BS EN ISO 10848-2: 2017 in conjunction with the following rating method(s): BS EN ISO 717-1: 1997 BS EN ISO 717-1: 2013 BS EN ISO 717-1: 2020 |
| | Laboratory measurement of acoustical and airflow performance of duct liner materials and prefabricated silencers | ASTM E477-06a ASTM E477-20 |
| | Laboratory measurement procedures for ducted silencers and air-terminal units – insertion loss, flow noise and total pressure loss | BS EN ISO 7235: 2009 |
| | 管道消声器和风道末端单元的实验室测量方法-插入损失, 气流噪声和全压损失 | GB/T 25516-2010 |

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| Acoustics (Sound power level and sound energy level) | Laboratory measurement of sound power levels of noise sources – engineering methods for small movable sources in reverberant fields – comparison method for hard-walled test rooms | ARI Standard 260- 2001 BS EN ISO 3743-1: 1995 |