



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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**ADDRESS** :  
地址

**Office & Main Laboratory** Unit E, 2/F, Century Industrial Centre, 33-35 Au Pui Wan Street, Fo Tan, 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

**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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<b>Construction Materials 建築材料</b>		
<b>ITEM TESTED OR MEASURED</b> 測試或量度項目	<b>SPECIFIC TEST OR PROPERTY MEASURED</b> 特定測試或量度的特性	<b>SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED</b> 規範、標準方法或應用技術
Acoustics  Sound Insulation Test	<p>Laboratory measurement of airborne sound insulation of building elements</p> <p>Laboratory measurement of airborne sound insulation of small building elements</p> <p>Laboratory measurement of airborne sound transmission loss of building partitions and elements</p> <p>Laboratory measurement of airborne sound insulation of building elements</p> <p>Laboratory measurement of intrinsic characteristics of airborne sound insulation for road traffic noise reducing devices</p> <p>Field measurement of airborne sound insulation between rooms in buildings and of building elements</p>	<p>BS EN ISO 140-3: 1995            BS 2750-3: 1995            GB/T 19889.3 - 2005            BS EN ISO 717-1: 1997            GB/T 50121 - 2005            ISO 717-3: 1982</p> <p>ISO 140-10: 1991            BS EN 20140-10: 1992            ISO 717-3: 1982            BS EN ISO 717-1: 1997</p> <p>ASTM E90 - 04            ASTM E90 - 09            ASTM E1332 - 90 (2003)            ASTM E1332 - 10a            ASTM E413 - 04            ASTM E413 - 10            BS EN ISO 717-1: 1997</p> <p>BS EN ISO 10140-1: 2010            BS EN ISO 10140-2: 2010            BS EN ISO 10140-4: 2010            BS EN ISO 10140-5: 2010            BS EN ISO 717-1: 1997            BS EN ISO 140-3: 1995 + Amd. A1: 2004            BS EN ISO 10140-1: 2010 + Amd. A2: 2014            BS EN ISO 10140-5: 2010 + Amd. A1: 2014            BS EN ISO 717-1: 2013</p> <p>BS EN 1793-2: 1998            BS EN 1793-3: 1998            BS EN 1793-2: 2012</p> <p>BS EN ISO 140-4: 1998            BS EN ISO 717-1: 1997</p>

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Acoustics		
Sound Insulation Test (Cont'd)	Field measurement of airborne sound attenuation between rooms in buildings	ASTM E336 – 09 ASTM E336 – 10 ASTM E413 – 04 ASTM E413 – 10 ASTM E336 – 11 ASTM E336 – 14
Sound Absorption Test	Laboratory measurement of sound absorption in a reverberation room (Mounting Type: A, B, E, G, I & J)	BS EN ISO 354: 2003 GB/T 20247-2006 BS EN ISO 11654: 1997
	Laboratory measurement of sound absorption and sound absorption coefficients by the reverberation room method (Mounting Type: A, B, C, D & E)	ASTM C423 – 02a ASTM C423 – 08a ASTM C423 – 09a ASTM E795 – 05
	Laboratory measurement of intrinsic characteristics of sound absorption for road traffic noise reducing devices	BS EN 1793-1:1998 BS EN 1793-3:1998 BS EN 1793-1: 2012
Impact Insulation Test	Field measurement of impact sound insulation of floors in buildings and of building elements	BS EN ISO 140-7: 1998 ISO 140-7: 1998 GB/T 19889.7 - 2005 BS EN ISO 717-2: 1997 GB/T 50121 – 2005
	Field measurement of tapping machine impact sound transmission through floor-ceiling assemblies and associated support structures.	ASTM E1007 – 04 <sup>e1</sup> ASTM E1007 – 11 ASTM E1007 – 13 ASTM E1007 – 14 ASTM E989 – 06
	Field measurement of rain impact insulation of building elements excited by artificial Rainfall	In house method ATS-IHM002-RI

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Noise Criteria and Noise Rating Measurement	Field measurement of background noise for rooms in terms of Noise Criteria (NC) and/or Noise Rating (NR)	In house method ATS-IHM001-NC
Reverberation Time Measurement	Field measurement of reverberation time in ordinary rooms	BS EN ISO 3382-2: 2008
Sound Power Level Determination of Noise Sources	Laboratory determination of sound power levels of noise sources using sound pressure – precision methods for reverberation test rooms	BS EN ISO 3741: 2010

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Acoustics  Sound Insulation Test	<p>Laboratory measurement of airborne sound insulation of building elements</p> <p>Laboratory measurement of airborne sound insulation of small building elements</p> <p>Laboratory measurement of airborne sound transmission loss of building partitions and elements (for door, office screen and other smaller building element only)</p> <p>Laboratory measurement of airborne sound insulation of building elements</p> <p>Laboratory measurement of intrinsic characteristics of airborne sound insulation for road traffic noise reducing devices</p>	<p>BS EN ISO 140-3:1995            BS 2750-3:1995            GB/T 19889.3 - 2005            BS EN ISO 717-1:1997            GB/T 50121 - 2005            ISO 717-3:1982</p> <p>ISO 140-10: 1991            BS EN 20140-10: 1992            ISO 717-3:1982            BS EN ISO 717-1:1997</p> <p>ASTM E90 - 04            ASTM E413 - 04            ASTM E413 - 10            BS EN ISO 717-1:1997</p> <p>BS EN ISO 10140-1:2010            BS EN ISO 10140-2:2010            BS EN ISO 10140-4:2010            BS EN ISO 10140-5:2010            BS EN ISO 717-1:1997            BS EN ISO 140-3:1995 + Amd. A1: 2004            BS EN ISO 10140-1:2010 + Amd. A2: 2014            BS EN ISO 10140-5:2010 + Amd. A1: 2014            BS EN ISO 717-1: 2013</p> <p>BS EN 1793-2:1998            BS EN 1793-3:1998            BS EN 1793-2: 2012</p>



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Sound Absorption Test	<p>Laboratory measurement of sound absorption in a reverberation room (Mounting Type: A, B, E, G, I &amp; J)</p> <p>Laboratory measurement of sound absorption and sound absorption coefficients by the reverberation room method (Mounting Type: A, B, C, D &amp; E)</p> <p>Laboratory measurement of intrinsic characteristics of sound absorption for road traffic noise reducing devices</p>	<p>BS EN ISO 354:2003 GB/T 20247-2006 BS EN ISO 11654:1997</p> <p>ASTM C423 - 02a ASTM C423 - 08a ASTM C423 - 09a ASTM E795 - 05</p> <p>BS EN 1793-1:1998 BS EN 1793-3:1998 BS EN 1793-1: 2012</p>

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Acoustics		
Sound Insulation Test	<p>Laboratory measurement of airborne sound insulation of building elements</p> <p>Laboratory measurement of airborne sound insulation of small building elements</p> <p>Laboratory measurement of airborne sound transmission loss of building partitions and elements</p> <p>Laboratory measurement of airborne sound insulation of building elements</p> <p>Laboratory measurement of intrinsic characteristics of airborne sound insulation for road traffic noise reducing devices</p>	<p>BS EN ISO 140-3: 1995            BS 2750-3: 1995            GB/T 19889.3 - 2005            BS EN ISO 717-1: 1997            GB/T 50121 - 2005            ISO 717-3: 1982</p> <p>ISO 140-10: 1991            BS EN 20140-10: 1992            ISO 717-3: 1982            BS EN ISO 717-1:1997</p> <p>ASTM E90 – 04            ASTM E90 – 09            ASTM E1332 - 90 (2003)            ASTM E1332 - 10a            ASTM E413 – 04            ASTM E413 – 10            BS EN ISO 717-1:1997</p> <p>BS EN ISO 10140-1: 2010            BS EN ISO 10140-2: 2010            BS EN ISO 10140-4: 2010            BS EN ISO 10140-5: 2010            BS EN ISO 717-1: 1997            BS EN ISO 140-3: 1995 + Amd. A1: 2004            BS EN ISO 10140-1: 2010 + Amd. A2: 2014            BS EN ISO 10140-5: 2010 + Amd. A1: 2014            BS EN ISO 717-1: 2013</p> <p>BS EN 1793-2: 1998            BS EN 1793-3: 1998            BS EN 1793-2: 2012</p>



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Acoustics		
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Impact Insulation Test	<p>Laboratory measurement of impact sound insulation of floors in buildings and of building elements</p> <p>Laboratory measurement of impact sound transmission through floor-ceiling assemblies using the tapping machine</p> <p>Laboratory measurement of the reduction of transmitted impact noise by floor coverings on a heavyweight standard floor in buildings and of building elements</p> <p>Laboratory measurement of impact sound insulation of building elements</p>	<p>BS EN ISO 140-6: 1998 ISO 140-6: 1998 BS EN ISO 717-2: 1997 GB/T 19889.6 - 2005 GB/T 50121 - 2005</p> <p>ASTM E492 - 09 ASTM E989 - 06</p> <p>BS EN ISO 140-8: 1998 ISO 140-8: 1997 BS EN ISO 717-2: 1997 GB/T 19889.8 - 2006 GB/T 50121 - 2005</p> <p>BS EN ISO 10140-1: 2010 BS EN ISO 10140-3: 2010 BS EN ISO 10140-4: 2010 BS EN ISO 10140-5: 2010 BS EN ISO 717-2: 1997 BS EN ISO 10140-1: 2010+ Amd. A2: 2014 BS EN ISO 10140-5: 2010+ Amd. A1: 2014 BS EN ISO 717-2: 2013</p>

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Acoustics		
Impact Insulation Test (Cont'd)	Laboratory measurement of the effectiveness of floor coverings in reducing impact sound transmission through concrete floors  Laboratory measurement of sound generated by rainfall on building elements	ASTM E2179 – 03 (Reapproved 2009) ASTM E989 – 06 BS EN ISO 717-2: 1997  BS EN ISO 140-18: 2006
Ceiling Attenuation Test	Laboratory measurement of room-to-room airborne sound insulation of a suspended ceiling with a plenum above it  Laboratory measurement of airborne sound attenuation between rooms sharing a common ceiling plenum	BS EN 20140-9: 1994 BS 2750-9: 1987 ISO 140-9: 1985 BS EN ISO 717-1: 1997  ASTM E1414-06 ASTM E1414/E1414M-11 ASTM E413-10 ASTM E1414/E1414M-11a(e1)
Flanking Transmission Test	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 717-1: 1997 BS EN ISO 717-1: 2013
Silencer Device Test	Laboratory measurement of acoustical and airflow performance of duct liner materials and prefabricated silencers  Laboratory measurement procedures for ducted silencers and air-terminal units – insertion loss, flow noise and total pressure loss	ASTM E477-06a  BS EN ISO 7235: 2009 GB/T 25516-2010
Sound Power Level Determination of Noise Sources	Laboratory determination of sound power levels of noise sources using sound pressure – precision methods for reverberation test rooms	BS EN ISO 3741: 2010



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Acoustics  Sound Power Level (SWL) Measurement of Ducted AHU System	Laboratory measurement of Sound Power Level (SWL) of the duct end (discharge duct and/or return duct) of a ducted AHU system in reverberant fields – comparison method for hard-walled test rooms	BS EN ISO 3743-1: 1995 ARI Standard 260- 2001