



No. 122

**Acoustics and Air Testing Laboratory Co. Ltd.**

聲學及空氣測試實驗室有限公司

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**CLIENTELE** : Public  
**服務對象** 公眾

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

**SCOPE OF ACCREDITATION** : As shown on the following pages 詳見後頁  
**認可範圍**

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<b>Main Laboratory</b>			
<b>TEST CATEGORY</b> 測試類別	<b>ITEMS, MATERIALS OR PRODUCTS TESTED</b> 測試項目、材料或產品	<b>SPECIFIC TESTS OR PROPERTIES 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
CONSTRUCTION MATERIALS 建築材料	Acoustics Sound Insulation Test	<p><math>1/3</math> octave band and <math>1/1</math> octave band sound reduction index and weighted sound reduction index of building elements including partitions, doors, windows, walls, curtain walls, metal claddings, facade constructions, other partitions, etc.</p> <p>Airborne sound insulation and single-number rating of airborne sound insulation <math>DL_R</math> of road traffic noise reducing devices, road barrier.</p> <p><math>1/3</math> octave band and <math>1/1</math> octave band sound transmission loss and sound transmission class of building partitions such as walls of all kinds, operable partitions, floor-ceiling assemblis, doors, windows, roofs, panels, and other space-diving element</p>	<p>BS EN ISO 140-3 : 1995            BS 2750 : Part 3 : 1995            BS EN ISO 717-1 : 1996</p> <p>BS EN 1793-2 : 1998            BS EN 1793-3 : 1998</p> <p>ASTM E90-04            ASTM E413-04            ASTM E1332-90</p>



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CONSTRUCTION MATERIALS (cont'd) 建築材料(續上)	Sound Absorption Test	<p><math>1/3</math> octave band and/or <math>1/1</math> octave band sound absorption and sound absorption coefficients of building materials including ceiling panels, curtains, proprietary or purpose made sound absorbent materials. (Mounting Type: A, B, C, D &amp; E)</p> <p>Sound absorption coefficient <math>\alpha_s</math>, practical sound absorption <math>\alpha_p</math> and weighted sound absorption coefficient <math>\alpha_w</math> of building materials. (Mounting Type: A, B, E, G, I &amp; J)</p> <p>Sound absorption and single-number rating of sound absorption <math>DL_\alpha</math> of road traffic noise reducing devices, road barrier.</p>	<p>ASTM C 423-02 ASTM E 795-00</p> <p>ISO 354 : 2003 EN ISO 11654 : 1997</p> <p>BS EN 1793-1 : 1998 BS EN 1793-3 : 1998</p>