

## **Recommendations for minimum requirement for sound insulation and noise absorbing equipment**

(This English translation is for reference only. Should there be any discrepancy between the English translation version and the original in Chinese, the latter shall prevail.)

These recommendations seek to provide the minimum requirements for sound insulation and noise absorbents for the establishments so that noise from these operations can be minimized. According to Noise Law, creating noise is considered a violation of the law and the offending party may be sued.

In order to avoid a violation of the law and receiving complaints about the establishment, the license owner of the establishment should confirm that the establishment strictly adheres to relevant regulations during normal business hours. Special attention should be paid to noise generated by the operation.

### **1 Recommendations for sound insulation and extra work**

- 1.1 Install false ceiling made of gypsum board with minimum thickness of 3 cm , which is 30 cm away from concrete ceiling and false ceiling paved with glass wool with a minimum thickness of 10 cm and a minimum specific weight of 50 kg /m<sup>3</sup>.
- 1.2 Wall should be fitted with sound absorbent material.

### **2 Recommendations for outer wall of front facade**

- 2.1 If front face of outer wall is made of glass, the minimum thickness of the glass should be 5mm . Frame gap must be as small as possible. If the frame can be opened, the gap must be filled with rubber padding/ silicon. Pelmet and rolling shutters must be covered with a layer of glass wool to absorb noise.
- 2.2 If outer wall of front facade is opaque, it must be a brick wall with a thickness of 22 cm or comprise two brick walls with a thickness of 11cm and 7cm . Both sides of the wall must be plastered.
- 2.3 Doorways facing the street must be closed
- 2.4 Use double-doors.

### **3 Recommendations for remaining walls**

- 3.1 If neighbours are similar establishments or are located in a hotel, there is no special Recommendations for minimum requirement for sound insulation and noise absorbing equipment(14-04-2014)

7

requirement for the remaining walls. Otherwise, suggestion stated in 1.2 should be considered.

#### **4 Recommendations for hi-fi equipment**

- 4.1 Loudspeakers, bass loudspeakers and other similar devices (such as TV screens with audio) must not be directly installed or hung on structure of building (e.g.) ceiling, beam and pillar. Equipment must be installed on brick walls or placed on the ground.
- 4.2 Fittings must be installed to diminish effect of vibration resulting from noise. Such fittings are commonly available in specialty stores.
- 4.3 Loudspeakers or amplifiers are not permitted to be placed outside establishment even if they have tables and chairs on pavement.
- 4.4 Bass volume must be lowered after midnight.

#### **5 Design plan of sound isolation and final inspection monitoring**

- 5.1 Before installing sound isolation equipment, the establishment should submit relevant designs, including design details, design plans, relevant materials' technical indicators and specifications of sound insulation capability and manual, and quantity of musical devices planned with technical parameters and manual.
- 5.2 Attention should be paid to the current special regulation for the plan-making stage or construction in the later period, especially city construction regulations and fire-fighting regulations.
- 5.3 After installing sound isolation equipment, application for inspection of facilities should be made to verify whether equipment is effective. Inspection of facilities will include sound wave and sound vibration testing in dwelling unit nearest establishment.

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