

5A Meldon Road,
Manchester,
M13 0TZ.

RE: Planning application ref: 137624/FO/2023 - 5A Meldon Road

Noise Study

In accordance with the requirement to acoustically insulate the premises to limit the breakout of noise to the adjoining premises, a noise reduction proposal will be submitted to MCC Local Planning Authority for approval prior to the refurbishment of the premises in accordance with such condition.

The proposal is intended to provide a level of acoustic performance in accordance with the Building Regulations Part E target of 43db when applied to brick and/or block walls.

The following system acoustic system is proposed

Pro-Sound™ SoundBoard 3 System 24mm (thin direct to wall system), ideal for low levels of noise such as muffled conversation and background Music/TV noise and will offer exceptional performance, even exceeding the Building Regulations Part E target of 43db by almost 10% when applied to brick or block walls

Pro-Sound™ SoundBoard 3 utilises three different soundproofing technologies all laminated together for easy installation. The outer facing layer is a 15mm acoustic grade of plasterboard which is 50% denser than standard plasterboard allowing it to reflect and convert high levels of sound energy into heat. The second layer is a high density mass loaded vinyl which has similar properties to lead. This mass loaded vinyl performs differently to the mass in the plasterboard due to the different construction helping to block a fuller range of sound frequencies. The third layer is an acoustic closed cell foam designed to dampen and reduce sound vibrations from transferring through the board.

The Pro-Sound™ SoundBoard 3 is simple to install and can be applied to any flat surface using 9 screws per board. Once sealed it can then be plastered over.

A completion report will be provided to validate the work undertaken confirming the completion and compliance of such works prior to the use of the premises

PLEASE FIND ATTACHED PRO SOUND DATA SHEET