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## Scope of Works – Pre-Completion Testing

dB Consultation Ltd has several years experience in the pre-completion testing of party wall sound reduction properties of the new developments and conversion projects. All tests are carried out in accordance to the guidelines stipulated in the Building Regs Section E : Resistance to the Passage of Sound and in general accordance with ISO140-4 1998 for airborne noise insulation, and ISO140-7 1998, for impact noise insulation.

Once the results of the tests have been collated, the relevant calculations are completed and the results are presented as single figure test results. These are calculated using the rating methods detailed in ISO717-1 1998 (airborne) and ISO717-2 1997 (impact).

dB Consultation Ltd is also capable of carrying out Environmental Studies, recording noise levels both outside and within the accommodation areas of properties. These are normally conducted over a 48hr continual study basis. We will also act as intermediaries and liaise with the Local Environmental Health Officers or Local Planning Authorities if required.

If for any reason, the premises to be measured fail, we will not simply walk away from the issue, we will work with the builders / contractors to resolve the issues experienced and retest until the property passes these tests. The target requirements under the current Building Regulations for party walls and floors in “purpose built dwellings – houses and flats” is;

- $\geq 45$ dB for airborne sound insulation in walls and floors (min. level)
- $\leq 62$ dB for impact sound insulation in floors (max. level)

And for “dwellings formed by a material change”, the requirements under the current Building Regulations for party walls and floors is;

- $\geq 43$ dB for airborne sound insulation in walls and floors (min. level)
- $\leq 64$ dB for impact sound insulation in floors (max. level).

Even if “Robust Details” are utilised, extra credits can be gained, which are financially rewarding. These are obtained by testing and exceeding the limits laid out in Approved Document E.

