

case study

ACOUSTIC UPGRADE FOR LOCAL AUTHORITY FLATS

Client: **Midlothian Council**
Flooring Contractor:
Midlothian Direct Works Dept.

Products installed:
208 acoustic floor system

The property, in Gorebridge, was in a poor state of repair with the existing timber floor and pugging between the joists having been removed. With access to the flat beneath not possible, Firebatts were cut and fitted between the floor joists to upgrade the ceiling's fire resistance to 90 minutes, before laying 19mm water resistant flooring chipboard.



Initial independent acoustic testing was carried out using the InstaCoustic H203 floor system which achieved the required acoustic performance. The slimmer 208 floating floor system, with thresholds and plinths, was then installed and this also passed, making a saving for Midlothian Council of £12/m². The complete cost-effective upgrade, to meet Scottish Building Regulations for both fire rating and acoustic performance, was undertaken by Midlothian Direct Works Department to InstaCoustic specifications.



Client: **East Lothian Council**
Flooring Contractor: **Bankton Builders**

Products installed:
208 acoustic floor system

In Musselburgh, the upper flat, in a two storey property belonging to East Lothian Council, was tested by Hamilton McGregor and registered 41dB, while regulations require at least 48dB. An InstaCoustic 208 system, including the necessary door thresholds and special plinths for appliances and sanitary ware was installed.

On re-testing the property exceeded the acoustic requirements of Scottish Building Regulations, Section 5 (Noise), but the tenant then insisted on her laminate floor being re-laid over the 208 system. This was done and tested again, without any change in the results, and was the first such field test in Scotland, although laminate floors have been banned by some local authorities.

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