

Surrey Tavern



Ceiling Sound & Impact Isolation
CDM-ISO-CC, CDM-ISO-PHS, CDM-ISO-T



Elevation of completed project



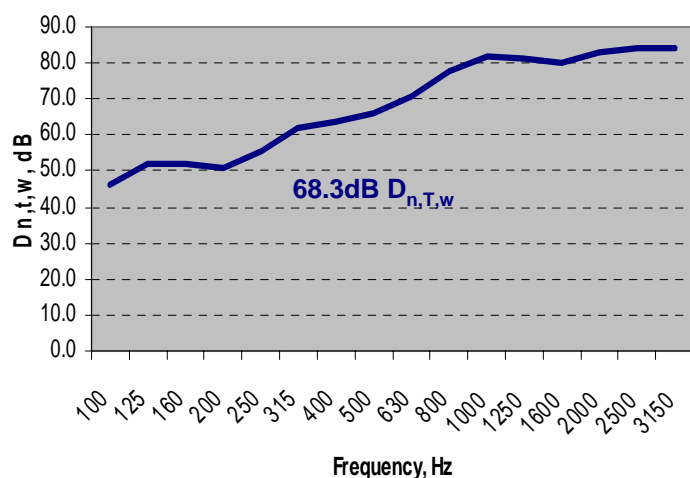
Architect Tom Tasou Associates
Acoustics Paul Gillieron Acoustic Design
Area Restaurant totalling 350m²

Surrey Tavern was a pub overlooking Wandsworth Common on Trinity Road in South West London. The building has now been converted into luxury apartments above an exclusive modern restaurant.

It was a requirement of the client that music from the restaurant below did not cause a disturbance to the residents above. However, being an existing building, there was a limit to the weight of the floor and ceiling construction between the restaurant and the apartments above.

Mark Hornsby of Paul Gillieron Acoustic Design proposed that the CDM-ISO-CC ceiling system was used to maximise the sound insulation of the ceiling, whilst minimising the weight and the height of the ceiling that was installed below the existing joists. The hangers supported 3 layers of dense plasterboard and this, in combination with 2 layers of heavily damped barrier mat in the floor void achieved an overall sound insulation performance of 68.3dB $D_{n,T,w}$ with the performance at 125Hz greater than 50dB.

Various other details were insulated using the CDM-ISO-PHS hangers and the CDM-ISO-T wall isolation battens.



Close up of CDM-ISO-CC hanger and rail



Close up of isolation rail with 1 layer of plasterboard

CASE STUDY – CDM-ISO-CEILING

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