Cumberland Lodge, a 17th century country house built in 1650, is now a conference centre located in Windsor Great Park and run by an educational charitable foundation which holds residential conferences, lectures and discussions principally for university students. The adjacent Grooms Cottage, a listed building and previously a private house, was being converted into additional accommodation and required acoustic insulation to comply with Building Requirements.

On the first and second floors and on the stairs, a 108 acoustic floating floor was installed, as it offers a high performance acoustic solution for both airborne and impact sound on level timber or concrete floors. It has also been designed for use in the conversion or refurbishment of existing properties, particularly where floor height is a concern.

On the ground floor an AC90/2FP acoustic ceiling system was installed. This fire rated system, for use beneath timber sub-floors, can be adjusted to ensure a level finished ceiling and also to provide variable void depths from 75mm to 155mm for enhanced sound insulation performance.

Test Results
Airborne: Of seven tests undertaken the best improvement was 13dB $D_{nt,w+Ctr}$
Impact: Of seven tests undertaken the best improvement was 17dB $L'_{nt,w}$

CS49