The Lantern Building, Hythe, Hampshire

A prestige waterfront development of 22 apartments over seven storeys, the Lantern Building was constructed using 220 pre-cast concrete slabs with MF ceilings below. To avoid the time and cost of having to screed the uneven slabs on each floor, while providing high levels of sound insulation, CK30 and C40 acoustic floors were specified as they can be adjusted on site to ensure completely level floor surfaces throughout. In addition, the void produced by the cradle and batten systems allowed services to be hidden beneath the floors.

InstaCoustic supplied and fitted over 1500m$^2$ of flooring, including the ground floor. The CK30 system was used in kitchens and bathrooms, to take the additional weight of appliances and tiling, while the C40 system was installed in all other areas. Independent acoustic testing showed that the floors achieved outstanding results.

Test results were:
Airborne: 64dB $D_{T,w}+C_B$ (Building Regs. = not less than 45dB $D_{T,w}+C_B$)
Impact: 33dB $L_{nT,w}$ (Building Regs. = not more than 62dB $L_{nT,w}$)

Developer: Taylor Woodrow
Main contractor: Mansell Construction
Architects: Head Roberts & Associates
Flooring contractor: InstaCoustic
Products installed: C40 and CK30 floor systems