

case study

Acoustic Flooring for the Olympic Athletes' Village



Products used: **C40 cradle & batten acoustic flooring - 75,000m²**

InstaCoustic completed a major, high profile contract at the Athletes' Village for the London Olympics, home to over 14,000 athletes and officials and 4,200 during the Paralympic Games. In five of the 11 tower blocks that make up the Village, over 75,000m² of InstaCoustic's cradle & batten raised acoustic flooring was installed, the majority by its own contracting teams.

This prestigious contract was won in open tender, as InstaCoustic's C40 system was able to meet a number of important criteria:

- It exceeded the clients' and architects' requirements for a lightweight floor that provided superior acoustic performance.
- It could be rapidly installed and used in conjunction with an underfloor heating system.
- It ensured that construction stayed on schedule
- It provides athletes from around the world with quiet apartments in which to live and rest.

The C40 system, which complies with Robust Detail FFT2, uses patented rubber crumb cradles, manufactured from recycled tyre rubber, that are environmentally friendly and have a 60 year guarantee. Furthermore, the system can be levelled on-site to eliminate variations in the sub-floor surface to produce a fully level finished floor.

The architects also had to consider the post-games legacy, as these apartments will be used to create over 2,800 new homes for the people of London. These will include nearly 1,400 affordable homes and 1,000 family residences of three and four bedrooms. Consequently, the requirement was for a floor system that was durable, provided excellent acoustic performance and accommodated an efficient underfloor heating system, while also meeting the needs of modern apartment buildings and the strict acoustic regulations.

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