Riverside Place, Kendal, Cumbria

Products installed:
- C40 acoustic floor system – 2,723 m²
- IN19 acoustic floor system – 4,792 m²

Owners: Kendal Riverside Ltd
Architects: WDR & RT Taggart Architects
Main contractor: Miller Construction UK
Flooring contractor: InstaCoustic

A new development on the site of an old shoe factory, Riverside Place comprises assorted retail outlet village shops on the ground floor with 94 flats above, spread over three storeys.

The client required acoustic floors with high impact sound performance that could be overlaid with ceramic tiles and laminates. For the first floor above the shops a higher acoustic performance was needed, as well as the ability to provide a finished floor height of 365mm to overcome floor slab differences.

Consequently, the architects specified:

- The C40 cradle and batten system for the first floor as it provided high acoustic performance and could offer a deep void solution. Each of the recycled rubber crumb cradles was placed on top of a 280mm concrete block to achieve the high finished floor height. The C40 system could also be adjusted on site to ensure a completely level floor surface.

- The IN19 shallow floating floor system (just 29mm thick), as it complies with Robust Detail FFT5 and was sufficient to meet impact sound regulations on the second and third storeys.

- Both systems achieved sound insulation performance significantly better than the figures required by Building Regulations.

- Fire stop protection was also fitted to deep thresholds at the entrance to each of the first floor flats.