

# case study

## Muller House, Ashley Down, Bristol

Developer: **Charles Church**

Main contractor: **Stradform Ltd**

Architect: **AWW Bristol**

Flooring contractor: **InstaFloor**

Product installed:  
**C40 acoustic flooring system**

Originally built as an orphanage by George Muller in the 1840's, Muller House closed in 1958 and the buildings became part of Bristol College of Science & Technology.

More recently the buildings, built from grey Pennant stone dressed with freestone, have stood empty prior to their conversion into high specification executive apartments, as part of a larger development in the area by Charles Church.

InstaFloor built on-site test rooms and demonstrated that its cradle and batten floor system well exceeded the requirements of Building Regulations. This saved the client considerable time and money and was instrumental in the C40 system being specified by the project architects.

The C40 cradle and batten system was also chosen for its on site levelling capabilities, as the existing floor was extremely uneven, and because InstaFloor could provide a supply and fix service which avoided split accountability with the main contractor. InstaFloor undertook installation of 2,455m<sup>2</sup> of its versatile high performance acoustic flooring system throughout the first and second floors.

### Test results were:

Airborne: Before - 37dB  $D_{nT,w}+C_{tr}$  After - 51dB  $D_{nT,w}+C_{tr}$  (Building Regs. = not less than 43dB  $D_{nT,w}+C_{tr}$ )  
Impact: Before - 67dB  $L'_{nT,w}$  After - 54'  $L'_{nT,w}$  (Building Regs. = not more than 64dB  $L'_{nT,w}$ )

