

Case Study

Education



Dame Allan's Junior School

Facts about the project

Dame Allan's Junior School, Newcastle upon Tyne, United Kingdom

Architect: Ian Belsham Associates

Main Contractor: Esh Build

Project size: 3000m²

Products: Ecophon Focus 12x12, Ecophon Quadro with Focus E, Wing, Solo Baffles, Advantage A.

Since September 2012, the pupils and teachers of Dame Allan's Junior School have been enjoying life in their new state-of-the-art building that provides them all with a safe and effective teaching and learning environment. To ensure effective control of sound reverberation in the new school, Ecophon acoustic systems were selected and fitted by ceiling contractor Total Partitions & Ceilings Ltd

Andrew Mills of Ian Belsham Associates (IBA) designed the new school, which is set in mature landscaped and wooded grounds on the site of the former Nuns Moor Hospital. The goal was to create a high quality design that would have minimum impact in terms of energy use while maximising the available resources on site.

The completed building has light and airy self-contained classrooms with external breakout spaces over two floors. IBA's design also exploits a fall of several metres across the width of the site to allow first floor classrooms to also access the grounds directly at floor level.

Ecophon provided reverberation calculations for all the new school's rooms and supplied all the necessary components to deal with level changes and different design features.

Andrew Mills of IBA said, "We had a fundamental requirement to control sound reverberation in the various rooms and Ecophon ceiling tiles and baffles do this".

Ecophon Focus™ E tiles and Focus™ Quadro E panels were specified with Focus™ E Wing to accommodate level changes. Unusually, the first floor has no suspended ceilings, so Ecophon Solo™ baffles 1200 x 300 x 40mm were installed as a solution.

The team working on the project chose Ecophon acoustics systems for their suitability for educational environments, off-the-shelf availability, reliable delivery and quality of technical support.

For more information please contact:
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