



building acoustics: education

Project:

St Agnes Primary School

Main Contractor:

Willmott Dixon Construction

Architect:

Robinson

Client brief

Willmott Dixon Construction commissioned Pace Consult to deliver a full acoustic design brief for the new St Agnes Primary School in Manchester. As the building incorporated a revolutionary sustainable solid timber panel structure, Pace had to ensure it achieved BB93 compliance while keeping construction time and budget to a minimum.

Project scope

As part of the Manchester Schools Framework, St Agnes Primary School benefited from a new building, which spanned three storeys and incorporated classrooms, a sports hall and a nursery. While its solid timber panel structure had been proven to simplify construction, as a brand new concept, there was no historical data to demonstrate that BB93 standards would be met.

To overcome this, Pace conducted a detailed theoretical review of the construction and was able to confirm ahead of the build that the required acoustic performance could be achieved. Following on from detailed design, Pace took the project through site supervision to on-site completion testing.

Iain Geldard, senior design & build coordinator, Willmott Dixon Construction, comments: "Extremely responsive and proactive, Pace were not fazed by the absence of reference points when conducting calculations and making recommendations. By adopting a practical approach, they were able to deliver accurate and reliable design guidance, seeing this through to completion on-site."