



Urban Science Building - Newcastle University

Project Details

Product: Soundis Absorb-R WoodTec Panels

Client: Bowmer & Kirkland

Location: Newcastle

Area: 1,642m²

About UKAS

UK Acoustic Systems are recognized as one of the leading providers of soundproofing and sound absorption solutions for the commercial, leisure, educational and residential sectors; we have successfully supplied and installed soundproofing solutions for a large number of UK clients, developers and contractors nationwide.

www.ukasystems.co.uk

Project Scope

The Urban Science Building is a £58 million commitment by The University of Newcastle to lead international research into digitally enabled Urban Sustainability. The flagship of the University's Science Central site, the building is a living laboratory dedicated to the aim of making urban centres more sustainable for future generations.

UK Acoustic Systems was involved in two key areas, mainly the five-storey atrium entrance area, as well as the purpose built 297 seater Lecture Theatre. Both spaces posed challenges in how to control reverberation times, improve sound absorption performance levels and therefore the quality of sound in each space. Working closely with the Client's requirements, the Architect's specification and the Main Contractor's works programme, UK Acoustic Systems proposed a solution that utilised the [Soundis Absorb-R WoodTec Panel 30/2M](#).

The Soundis wall and ceiling planks ensured noise reduction coefficients were achieved in both the large Atrium space and the Lecture Theatre. There are many different grooves or perforated patterns available with [Absorb-R WoodTec](#), as well as a large variety of veneers to choose from with the additional option of RAL colour finishes. The rear perforation pattern that ensures the core panel remains intact, allowing for cutouts to address penetrations required for lighting, HVAC, and sprinkler systems. Additional absorption coefficients can be achieved with other porous materials installed within the air cavity.

Approximately 1,127 sq metres of [Soundis Absorb-R WoodTec Panels](#) were installed in the Atrium for the staircases and balustrades. The Lecture Theatre benefitted with 515 sq metres panels being installed to walls and ceilings, crafting a space where voices can be heard at the back of the auditorium as clearly as the front.

Head Office

Unit 7 St Georges Court
Kirkham
PR4 2EF



0330 055 7569

London Office

71-75 Shelton Street
London
WC2H 9JQ



0330 055 7569

Glasgow Office

272 Bath Street
Glasgow
G2 4JR



0330 055 7569