

## FUSION BUILDING, BOURNEMOUTH 3A COMPOSITES GmbH



The Fusion Building of Bournemouth University has been designed to enable the use of shared facilities between academic schools to foster cross school activity and to maximise the use of space. It provides a mix of flexible informal study and social collaborative spaces for staff and students bringing together education, research and professional practice under one roof.

Fusion 1 is built on a concrete frame rising from the ground and a steel frame descending from the roof. The walls inside are plasterboard which allows flexibility for future changes. Concrete columns are holding the structure. The exterior design strikes with a pristine play of black, white and grey. The white ALUCOBOND® cladding provides fresh modernity to the grey zinc. The balconies are arranged in an irregular manner and thus break up the design of the facade.

Sustainability was an important feature both in the design and choice of materials. To reduce energy costs 200 square metres of photovoltaic panels have been installed on the roof and 11 ground source heat pumps have also been fitted. Triple glazed windows have been installed to avoid air leakage. In addition, zinc and ALUCOBOND® are eco-friendly materials. The building has achieved a BREEAM excellent status.

Building Information Modelling (BIM) was used in the design, planning and management of the project. ALUCOBOND® provides shaders and BIM objects for AutoCAD and Revit in order to facilitate the architects' work.

Façade Material: ALUCOBOND® plus White  
Construction Type: Cassettes- Special construction  
Planning (Architect): BDP architects  
Fabricator/Installer: CA Group/Richardson Roofing  
Year of construction: 2016  
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