

UNIVERSITY OF MANCHESTER



BAUDER BUILDING BOARD

Project:	University of Manchester
Location:	Manchester
Roof Area:	1,200m ²
Specifier:	Rider Levett Bucknall
Approved Contractor:	Briggs Amasco



APPLIED PRODUCTS

- Bauder Total Green Roof System provides various environmental benefits including rainwater retention, noise absorption and the creation of new wildlife habitats.
- Bauder PIR insulation is highly effective, lightweight and dimensionally stable.

A notable feature on the University of Manchester campus is the Samuel Alexander Building - a five storey Grade II listed building. Erected in 1919 the building has been excellently conserved, however one element that required urgent attention was its flat roof, which had been experiencing considerable water ingress.

The building consists of 12 different roof areas totaling over 1,200m². All of the original waterproofing on the main roof areas was removed before being replaced with Bauder's reinforced bitumen system, which included PIR insulation. On the building's lower roof, located in the central courtyard area, 200m² of Bauder's premium bituminous green roof system was installed along with Bauder plug plants. One of the major challenges for this project was transporting the green roof products to the roof; consequently the team had to carry all the products through the building at scheduled intervals.

Due to the building's historical significance it was important that care was taken when installing the waterproofing system. A prime example of this was during the installation of the main roof area where there are coping stones on the roof perimeter that cannot be replaced due to preservation regulations. As a result, the team had to individually lift every stone, lay the waterproofing down and then drop the stone back to its original place. All works were completed on time and to budget.

"Bauder delivered a roofing solution of the highest quality giving us total confidence in the future performance of the roof. The Bauder Total Roof System provides a high-performing bituminous system in terms of both quality and technology."
Project Surveyor, Chris Melling from Rider Levett Bucknall

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