

**Client Name:**  
University College Dublin

**Architect:**  
Kavanagh Tuite

**Quantity Surveyor:**  
Kane Crowe Kavanagh

**Duration:**  
Sept 2009 – Aug 2010

**Contract Value:**  
6.9m



## UCD Roebuck Student Accommodation

### Description

This RIAI Best Sustainability Project 2011 award winning building is part of the masterplan for UCD's Roebuck student residence. It envisages a student village of more than 900 students, living in a self-contained village centred on Roebuck Castle.

The development at Belfield UCD comprises of a 6 storey new student residential student block consisting of 12no apartments & support facilities. The floor area is 4360m<sup>2</sup>. This exemplary sustainable standard building is constructed to 'Passive House' guidelines achieving A3 BER & an 'Excellent' BREEAM rating. The 133no individual en-suite student study/bedrooms have shared kitchenette, living & study facilities with common student laundry, internet and fitness amenities together with a fully equipped café/restaurant provided at ground floor level.

This Insitu eco concrete structure has a unitised panel façade with trespas rain screen finish achieving a U-value of 0.18 W(m<sup>2</sup>K) incorporating triple glazed casement windows & timber engineered curtain walling. The subsequent air tightness resulted in the envelope achieving 1.4m<sup>3</sup>/m<sup>2</sup>/hr@50pa. Services within the building utilises a number of energy saving systems which including ventilation & rainwater recovery, drain back solar collectors, extensive space heating controls & SEAL monitoring to name just a few.

Constructed on lands adjoining Roebuck Castle & attached to an existing 2 storey engineering facility structure, this colourful high performance accommodation building is set on sculptured & playful landscape, setting the standard for new student campus housing into the future.



JJ Rhatigan & Company Project Overview