



Challis
Water Controls

CASE STUDY

SECTOR: Education

CLIENT: UPP

CONTRACTOR: Shepherd

LOCATION: Leeds University

PROJECT DESCRIPTION: The Carnegie Village comprises of 479 high specification student residential bedrooms including seven adapted rooms for disabled students. Accommodation is split into six blocks with a mixture of townhouses for nine to twelve students each, and cluster flats. The Carnegie Village was designed and specified to satisfy sustainable design and boasts an achievement of 'Excellent' rating in the industry standard BREEAM (Building Research Establishment Environmental Assessment Method). The Carnegie Village itself is made up of 13% recycled material. One townhouse block within the Village has been designed and built to 'PassivHaus' standards, which is a landmark project for the education sector. The PassivHaus. PassivHaus design approval and the project is set to inform future government policy with regard to low energy housing.



CUSTOMER REQUIREMENTS: This project is the next step in UPP policy of sustainable construction. As such UPP specification and requirements were very precise. Their aim was to achieve BREEAM rating "Excellent" without having to sacrifice or compromise on the performance of showers and taps. Top of their specification was safety and the fact that CWC units were TMV3 Anti Scald safety approved and WRAS approved meant that all the legislative compliance including new part G Building regulations were met. Value engineering cost control was also high on their list of requirements which was easily met by tax relief saving under the ECA scheme coupled with the reduced whole life cost of CWC units

UNITS FITTED: 479 x Water Efficient Shower Mixer Kits and Basin Taps

SAVINGS ACHIEVED:

With the aid of CWC products Leeds University Eco Residences have delivered improvements of up to 30% in the consumption of water, electricity and gas on their previous student accommodation. This has meant that once again UPP has met the demanding BREEAM rating of Excellent

CUSTOMER COMMENTS & CONCLUSIONS: Saving in both water and energy have exceeded our expectations and have contributed to our Award of Excellent under the BREEAM Sustainable Building rating system. Our experience of the units is that they have been reliable and robust with excellent levels of performance and minimal maintenance requirement. Challis Water Control units are now our standard specification on all new builds and refurbishments



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