

**Client** Imperial College  
**Main Contractor** Laing O'Rourke  
**Architect** KPF Architects  
**Acoustic Consultant** Bickerdike Allen Partnership  
**Details** Restaurant: 237m<sup>2</sup>  
Bar, Kitchen, Toilets: 178m<sup>2</sup>

Imperial College have built a fabulous new student accommodation block on the East side of Princes Gardens just off Exhibition Road in South Kensington. In this new building the main social gathering area is the Eastside Bar-restaurant. However this large and noisy facility is directly above and below student accommodation and high performance floating screeds were specified; two different constructions were used:

1. In the kitchen, toilets and bar area there was a 75mm screed over a 200mm void – the large void was created using 100mm thick CDM-RR pads supporting 100mm thick timber beams which in turn supported special screed decking

2. In the restaurant area a 30mm thick CDM-ISO-LAT system was used to support the special screed metal decking which in turn supported 70mm screed. This created a 100mm floating floor and allowed a timber floor to be built above it which accommodated all the required services

The solution met all the required sound insulation targets and the building is being used and enjoyed by the students living there.

