

Client	Purcell School of Music
Main Contractor	Rooff
Architect	Edward Cullinan
Acoustic Consultant	Arup Acoustics
Details	11 practice rooms: 195m²
	Recording studio & control: 58m²
	Editing booth: 10m²

• Purcell School of Music is one of the leading specialist schools for talented young musicians. The new building, designed by Edward Cullinan Architects, comprises a Recital Room, instrumental and academic teaching rooms and recording facilities.

• Arup Acoustics specified concrete floating floors in all the music teaching rooms with alternate box-in-box constructions built off the floating floors. The floors were to have a natural frequency of 10-12Hz under the design load ranges.

• CDM-UK designed, supplied and installed 2 different concrete floating floor solutions: CDM-ISO-LAT-50 isolation rails were used in the 'lined' or 'box-in-box' rooms and CDM-ISO-LAT-70 isolation rails in the 'non-lined' rooms. The difference in the systems was due to radiator pipes passing underneath the floating floor in the non-lined rooms and passing through the concrete in the 'lined' rooms.

• The resulting acoustics and sound insulation between rooms is excellent and the building has received much praise from all quarters.

