

Prime House, London



Building Isolation

CDM-ISO-CHR-BOX Springboxes 3.5 Hz



As the railway line was covered by a suspended structure the whole building base had to span across the railway line. This was achieved by a massive post-tensioned concrete slab supported at each end by the pre-compressed spring boxes.



Architect	Jestico + Whiles
Main Contractor	Neilcott
Structural Engineer	Whitby Bird
Acoustic Consultant	Bickerdike Allen Partners
Acoustic Design Load	21MN

Prime House is a 3-storey apartment block that is located directly on top of a railway line adjacent to Finchley & Frognal Station on the Finchley Road in London.

To control levels of vibration and re-radiated noise in the new building acoustic consultants, Bickerdike Allen Partners, specified that the building had to be supported on pre-compressed spring boxes with a natural frequency of 3.5Hz. CDM-ISO-CHR-BOX pre-compressed spring boxes were chosen to fulfill all the requirements of the specification.



CASE STUDY – CDM-ISO-STRUCTURE

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