

Bouygues Immobilier, Choisy-le-Roi, FR

CDM-CHR, CDM-SEB, CDM-VHS



Client
End User
Architect
Acoustic Consultant
Details

Bouygues Immobilier
MTR
Cite Architecture
Impédance
13 tonnes on elastomer bearings
& 15 tonnes on springs

■ We had to use all our know-how to tackle the challenge that the customer had set out for us, namely ensuring that the six residential buildings located near the RER C train tracks don't feel the vibrations.

■ Beyond the number of buildings the real challenge was to meet the different vibration isolation objectives:

- On the one hand, offer a solution with a cutoff frequency of 4 Hz: 13,000 tons for 2 buildings supported by CDM-CHR springs.
- For the other 4 buildings, cutoff vibration at 10 Hz: 15,000 tons supported by CDM-VHS and CDM-SEB elastomer bearings.



CDM-CHR



CDM-SEB



CDM-VHS

Building

Project Reference