

Ribeira Garden Condominium

Lisbon, PT



Case Study



Property Owner

Fundo Sete Colinas



Main Contractor

Thyssenkrupp



Structural Engineer

A400



Architect

Samuel Torres de Carvalho



Acoustic Consultant

A400

OVERVIEW

In one of Lisbon's most up and coming neighborhoods stands Ribeira Garden, a riverside condominium complex overlooking the Tagus river and D. Luís I Square Gardens.

The 5-storey retrofitted building dates back to the XIX century and now combines a classic facade with contemporary, and functional interiors. The corner building comprises over 37 luxurious and spacious apartments and is in close proximity of leisure areas, shops, restaurants, and various modes of public transport that allow you to travel across Lisbon and its surroundings.

Stravimech ElevatorFix

- An elevator guide rail isolation system designed to minimize the amount of vibration and structure-borne noise transmitted by an elevator or lift.



SOLUTION

To isolate the Thyssenkrupp Synergy elevators going up and down in the apartment building, [Stravimech ElevatorFix](#) isolation systems were installed on every mechanical connection.

More than 150 Stravimech ElevatorFix isolators placed in between the walls and bottom of the elevator shaft and the elevator. The same type of vibration isolators are used to decouple the guide rails and elevator engines from the surrounding structure, minimizing differential movement of the rails due to dynamic forces, and thereby preventing unwanted structure-borne vibrations from creating a noise problem in the rest of the apartment building.

AT A GLANCE

CHALLENGES

- Mechanical structure-borne noise isolation warranty regarding the inside acoustic comfort for all condominium apartments, while servicing the residential elevators.

BENEFITS

- Minimize the amount of vibration and structure-borne noise
- Can be adapted to any guide rail fixing method
- Delivers approximately 10dB attenuation over traditional fixing methods

159 pc
Stravimech
ElevatorFix

