

1 Knightsbridge Gym

London, UK



Case Study



Property Owner

Apax Partners



Main Contractor

BW Interiors Ltd



Acoustic Consultant

Sandy Brown



Architect

Morey Smith

Stravigym HP

- “High-performance” discrete isolator floating floor system that offers high mechanical resistance and acoustical performance.
- Suitable for areas with medium impact energy, like strength or cardio areas.

OVERVIEW

Step into a realm of sophistication and sustainable innovation with the newly refurbished One Knightsbridge, offering an impressive 121,000 sq ft of exceptional office space in a prime location overlooking Hyde Park.

Situated amidst Hyde Park Corner's luxurious hotels, this six-story multi-tenanted space seamlessly combines elegance with sustainable functionality.

As a beacon of environmentally friendly design, One Knightsbridge stands as a testament to the fusion of aesthetics and ecological responsibility.

With an emphasis on employee well-being, the office incorporates wellness features such as green spaces, natural light optimization, advanced air quality systems, and among the many amenities, a fully-equipped gym.



SOLUTION

On the 4th floor of 1 Knightsbridge, a cutting-edge **Stravigym HP** acoustical floating floor, featuring discrete isolators and our patented **dBooster®** technology designed to absorb high-impact energy and manage low-frequency vibrations, has been expertly installed.

Precision shimming of bearings and the strategic placement of timber battens were employed to achieve a level floor finish, successfully overcoming the challenges posed by the uneven structural slab.

To address a soft spot in the slab without compromising acoustic integrity, tailored adaptations were made.

Additionally, two floor penetrations were strategically incorporated to facilitate the installation of future floor-mounted plug sockets.

This innovative flooring solution not only effectively minimizes vibrations and impact noise generated by exercise equipment but also elevates the overall gym environment, seamlessly integrating with the offices situated below.

AT A GLANCE

CHALLENGES

- Due to the uneven nature of the structural slab shimming of our bearings was required to achieve a level floor finish
- The need for the incorporation of future floor-mounted plug sockets
- Need for tailored adaptations to the floor solution due to soft spots on the structural slab

BENEFITS

- Quick and easy to install
- The isolated floor system utilizes resilient supports with a natural frequency below 10 Hz.
- Floor engineered to control vibrations, minimize low-frequency impact noise, and reduce the transmission of audible structure-borne sound
- Solution with increased air void to improve acoustical performance

44 m²
Stravigym HP
with dBooster®
Technology

