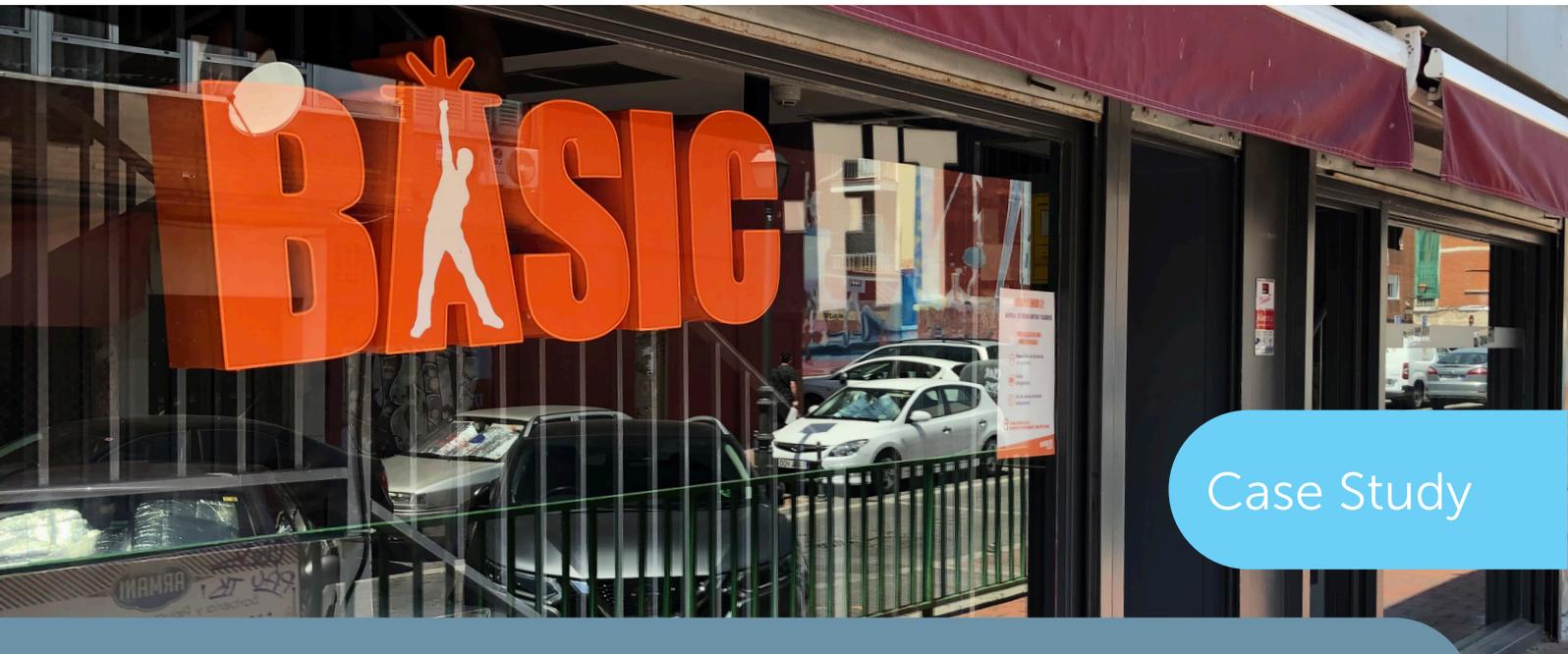


Basic-Fit Villa de Vallecas

Madrid, ES



Property Owner

Basic-Fit



Main Contractor

EDIAR



Installer

SOLUCIÓN D3

Stravigym HP

- “High Performance” discrete floating floor
- High mechanical resistance & acoustical performance
- Suitable for residential and light commercial gyms (impact energy <600 N.m).

OVERVIEW

Basic-Fit Villa de Vallecas is one of the more than 800 clubs that Basic-Fit, one of Europe’s largest fitness operators, has in Spain, Benelux and France.

Even with Basic-Fit speeding up their expansion plans for the European market, it doesn’t ignore the well-being of their existing customers and fitness centers. Various Basic-Fit locations all over Europe are being transformed to improve both aesthetics and user comfort. One of those locations is Basic-Fit Villa de Vallecas, located on the first floor of the “Mercado Villa de Vallecas” building, in Madrid.

Basic-Fit decided to address the floors as well, to respond to the noise complaints of the neighbors. After an initial analysis, it soon became clear that the free-weight zone was the main source of noise.

With only 2.6 m of available space between the existing floor covering and the ceiling and, according to the standard layout of Basic-Fit clubs, 2.4 m high cable crossing machines installed in the free-weight zone, the height of the acoustic floor system was limited to a maximum of 125 mm.



SOLUTION

Keeping the standard gym lightweight floating floor setup, CDM Stravitec designed a custom **Stravigym HP** with **GympactLayer-35** dry floor system, able to reduce the noise generated to acceptable levels and adding only limited extra height, as desired by the client.

In order to verify the performance of the system, a mock-up was first installed on which weights were dropped from different heights. $L_{AF,MAX}$ values were measured that not only comply with the legal limits, but also meet the requirements with regard to the noise complaints of the neighbors.

Fitness enthusiasts are now able to exercise to their heart's content without having to worry that their activities are disturbing the neighbors. The intervention was quick, easy and clean, allowing Basic-Fit Villa de Vallecas to keep the other zones in the gym open, even during installation. The free-weight area was able to reopen after only a couple of days. The installed floating floors did not add too much weight or height and the client was able to reuse his rubber tiles as final floor covering.

AT A GLANCE

CHALLENGES

- Only 2.6 m of free height between the existing floor covering and the ceiling
- The gym needed to stay open during installation

BENEFITS

- Stravigym systems add little extra height
- Quick, easy and clean installation process
- Compatible with existing floor covering

155 m²

Stravigym HP
GympactLayer
-35

