Basic-Fit Versailles Poincare

Versailles, FR

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Making your world a quieter place

Case Study

Property Owner
Basic-Fit

Main Contractor
AGEMA

Acoustic Consultant
Orfea

Architect
Antonio Alfaro

Stravigym GympactLayer

An impact absorption layer with high damping properties that disperses the energy from impact forces and absorbs shock by reducing the amplitude (intensity) of the shock wave.

OVERVIEW

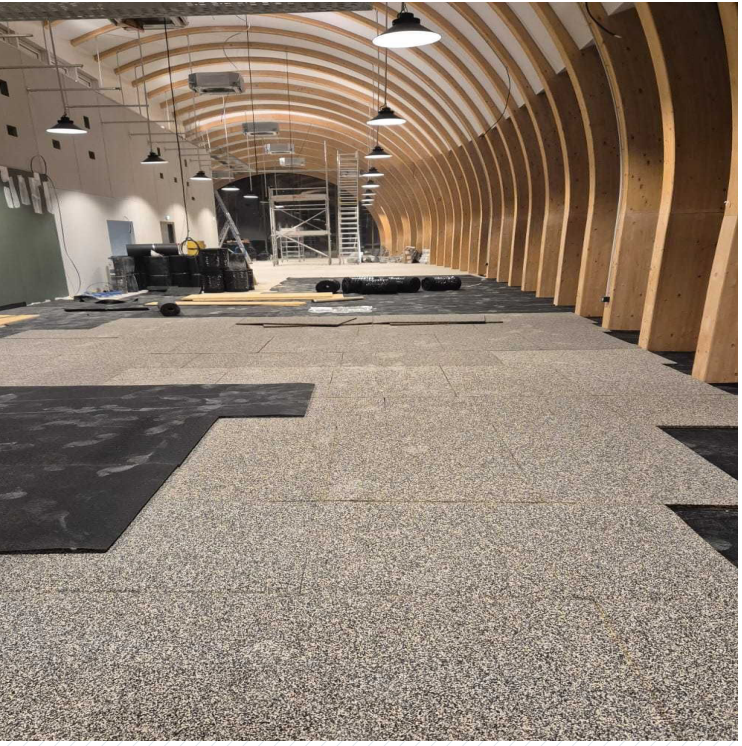
Basic-Fit has chosen to open a brand-new club in the center of Versailles, near Versailles Chantier.

This new location stands out not only for its prime positioning but also for its remarkable architectural choice, a beautiful wooden-structured building that brings aesthetics and sustainability.

The magnificent wooden structure brings warmth and elegance to the space, creating a welcoming atmosphere for members.

At the same time, state-of-the-art fitness equipment ensures an exceptional workout experience for every visitor.

This new club perfectly blends modernity and nature, offering a premium environment for fitness enthusiasts.



AT A GLANCE

CHALLENGES

- The gym is located directly above a retail space, with potential for disruptive impact noise from heavy weight drops.
- The acoustic treatment needed to withstand high-intensity dynamic loads and repeated heavy impacts.
- As a refurbishment project, work needed to be completed in just four days, minimizing downtime and disruptions to other tenants.

BENEFITS

- Stravigym GympactLayer-65 significantly reduces structure-borne noise transmission to the shop below, protecting the neighboring business and ensuring building compliance.
- Specifically designed for high-impact zones, the Stravigym solution absorbs and dampens vibrations effectively, even under intense loading conditions.
- Prefabricated layers allowed for a quick and efficient installation within four days, meeting the refurbishment constraints.
- Improves comfort for gym users by reducing rebound and impact harshness, contributing to a premium training experience.

SOLUTION

Basic-Fit occupies the 1st and 2nd floors of this building, directly above a retail store. Following acoustic tests conducted by Orféa, it became evident that noise transmission to the shop below could pose a significant issue.

On-site acoustic tests confirmed the effectiveness of the Stravigym GympactLayer-65 system with a 20 mm (0.79 inches) finishing floor in the free-weight zone. Impact noise transmission was significantly reduced compared to bare slab conditions. Even with the reception room still unfurnished and inactive during testing, emergence levels remained within admissible limits across the frequency spectrum - compliant with French Decree No. 2006-1099 and even meeting the stricter low-frequency criteria set by the project acoustician. Once the space is fully operational, even better user comfort and lower noise emergence are expected.

These technical criteria were decisive in confirming the effectiveness of our solution and ultimately led Basic-Fit to select it for acoustic treatment of the free-weight area. The project was a refurbishment, which limited the installation timeframe to just four days. Despite the tight schedule, we successfully supplied and installed a Stravigym GympactLayer-65 solution over the entire 280 m^2 (3,014 ft^2) free-weight zone.

This intervention is part of their broader goal to create a next-generation fitness space, combining cutting-edge equipment, thoughtful design, and acoustic comfort to deliver an optimal training environment for both staff and gym members.

280 m^2
3,014 ft^2

Stravigym
GympactLayer-65

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