

# Adare Manor Hotel & Golf Resort

## Limerick, IE



## Case Study



### Property Owner

J.P. McManus



### Main Contractor

John Paul Construction Ltd



### Architect

Healy Partners Architects



### Acoustic Consultant

RSK Group

## OVERVIEW

Amidst an 840-acre estate consisting of sweeping parklands, masterfully designed French gardens, and a magnificently maintained championship golf course, stands Adare Manor. The 19th century romantic Neo-Gothic gem that is Adare Manor was once the family home of Windham Henry Quin, the 2nd Earl of Dunraven and his wife, Lady Caroline Wyndham.

Modelled after the great European chateaux and cathedrals, this stately home is a tribute to the Dunravens' sense of exuberance, wit, and style. The building displays a wealth of gargoyles, heraldry and decorative stone and wood carvings. The interior spaces are designed on a grand scale, with the most renowned space being The Gallery, a 132-foot long, 26 ½ foot high expanse inspired by the Hall of Mirrors in Versailles.

Today Adare Manor is an exclusive 5-star hotel that offers its guests an unforgettable stay. The historic manor house has been transformed with great attention to detail, making it the perfect retreat for anyone wishing to immerse themselves in history and luxury.

## Stravigym XP

- "Extreme Performance" discrete floating floor
- Build-up height  $\pm 114$  mm (area without GympactLayer) & 134 mm (area with GympactLayer); excl. floor covering
- Suitable for fitness areas with impact energy up to 1000 N.m



## SOLUTION

Our local branch was tasked by RSK Acoustic Consultants with providing a gym floating floor solution for the gym at the new Adare Manor Guest Facility. In order to reduce impact noise from the gym, causing nuisance in the spa area below, RSK Group set the acoustic criteria at NR 30 for the wellness area.

To meet the required noise rating level CDM Stravitec designed, supplied and installed a [Stravigym XP](#) acoustic floating floor with a [Stravigym GympactLayer-20](#) absorption layer and a 10 mm sports floor covering for the free weight area. In the rest of the gym, including the ballet studio, a Stravigym XP without impact layer was installed below the oak timber floor covering. With the new acoustic floating floors in place, hotel guests can be assured of a relaxing stay at Adare Manor.

## AT A GLANCE

### CHALLENGES

- Meeting NR 30 criteria set out by acoustician
- To design a dry solution with low vertical deformation, compatible with ballet
- Achieving the same floor height in different connected rooms

### BENEFITS

- Quick and easy to install
- Compatible with the gym's desired floor covering
- Effectively and safely manages high-impact energy

**105 m<sup>2</sup>**

Stravigym XP

**43 m<sup>2</sup>**

Stravigym XP  
GympactLayer  
-20

