



## Case Study



**Property Owner**  
Consortium Hertsi



**Main Contractor**  
YIT



**Architect**  
SWECO



**Acoustic Consultant**  
Helimäki Akustikot / Sitowise Oy

## OVERVIEW

Hertsi is a new shopping center in the heart of the rapidly developing Herttoniemi district in Helsinki. The shopping center serves approximately 80.000 customers every week.

The mixed-use property has a gross leasable area of 23.000 sqm and houses specialty stores, coffee shops, restaurants, a hypermarket, youth club, public library, multiple gyms, a daycare center, and even a retirement home.

The interior design of the building has been done by Rune & Berg Design, which has brought in colour, joy and interesting details.

## Stravifloor Channel, Stravifloor Mat

- Isolated steel floor batten system with enhanced stiffness to support the timber floor (Stravifloor Channel)
- Low-profile roll-out isolation solution (Stravifloor Mat)



## SOLUTION

For the first time in Helsinki, a library, youth center, and home for the elderly is placed in the same premises, making good noise and vibration isolation even more important.

To reduce the low-frequency noise generated by rolling pallet stackers and shopping carts in the Hertsi mixed-use shopping center, a [Stravifloor Mat](#) floating floor was installed. Elsewhere in the building, a [Stravifloor Channel](#) system with steel channels over natural rubber pads, prevents vibrations coming from the youth center from causing a noise problem in the adjacent retirement home.

Photography: Vesa Voitto Sakari

## AT A GLANCE

### CHALLENGES

- Mixed-use building with a youth club located adjacent to a retirement home
- Low-frequency noise from shopping carts and pallet stackers

### BENEFITS

- Lower differential deflection resulting from live load or concentrated loads (Stravifloor Channel)
- Increased acoustical performance through optimization of pad loading & fewer contact points (Stravifloor Channel)
- Great level of impact noise reduction with minimal system thickness (Stravifloor Mat)

**566 m<sup>2</sup>**

Stravifloor  
Channel

**3500 m<sup>2</sup>**

Stravifloor Mat  
(MTA-15/7)

