

# SUCCESS STORY

## VIBRATION ISOLATION

## Building project Steinerstraße, Munich

### PROJECT DATA

#### Brief description

A residential and commercial building with underground parking is being built near the railway lines. Due to the railway traffic significant secondary airborne noise in the buildings is to be expected in addition to vibrations in and around the buildings.

#### Requirement

During rail traffic, vibrations and secondary airborne noise are generated. Therefore, sufficient immission protection is required for this construction project.

#### City, year

Munich, 2022



Visualisation: ©MünchenBau

### PROJECT DESCRIPTION

Since 2021, a construction project in Steinerstrasse in Munich has been carried out according to plan. It consists of apartments as well as shops with underground parking and is in the immediate vicinity of the Munich-Wolfratshausen railway line. The results measured on site and modelling show, that measures against the immissions of secondary airborne noise and vibrations from rail traffic are necessary. Furthermore, the aspect of economic benefit is considered.



### SOLUTION

An optimised solution is the protection against vibrations in the limited area close to the railway line, where it is necessary. For the realisation, the Calenberg products Cibatur® and Cisador® 10 are used for the base bearing and the wall bearing. For the rising basement wall, a combination of Citricon® and Cibatur® is used as point and strip bearing to provide the best possible vibration protection.

