

SUCCESS STORY

VIBRATION ISOLATION

Housing project Welfengarten, Munich

PROJECT DATA

Brief description

Elastic support of a building complex with apartments near a railway line.

Requirement

Development of an economical elastic support of the building complex and protection of the building against vibration and secondary airborne noise immissions from the rail traffic that may enter the building.

City, year

Munich, 2017

PROJECT DESCRIPTION

The laying of the foundation stone of the Welfengarten took place in Munich on 23 May 2017. The former brewery grounds will be used for 18900 m² of privately financed and publicly funded rental apartments. The main railway line München-Rosenheim is situated directly next to the building. Measurements on site led to the result that the buildings facing the railway line would need to be protected against vibrations. An elastic support under the base plate with the Cibatur® mat solved this problem effectively.

SOLUTION

Calenberg Ingenieure have developed a high effective and at the same time economical measure using the bearing types Civerso and Cibatur®.

The advantages:

- Economical elastic support of the building
- Increased value of the building because of better living quality for its residents

