

SUCCESS STORY

VIBRATION ISOLATION

Building project in Günz-Donaupark, Günzburg

PROJECT DATA

Brief description

A new residential area is being built on a 4.3-hectare site in Günzburg: Günz-Donaupark.

Requirement

Protection against vibrations and secondary airborne noise immissions caused by rail traffic must be considered for this residential neighbourhood.

City, year

Günzburg, from 2023

PROJECT DESCRIPTION

A large residential quarter has been under construction in Günz-Donaupark since autumn 2023. In the first construction phase is the focus on two construction sites directly north of the railway tracks. On-site measurements determined that the emissions of vibrations and structure-borne sound waves from rail traffic were above the limit values and that protective measures should therefore be taken for the buildings. The choice was made in favour of elastic support with Calenberg products.

SOLUTION

This elastic support is dimensioned as follows: 6 types from the Calenberg Cisador® series are installed under the floor slab according to load distribution. Cisador® is also used on the basement walls. The limit values can be adhered, and the requirements of the elastic decoupling were entirely fulfilled.



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