

Grossmatte district (Switzerland)



Project description

The new residential building located in Luzern-Littau is being built according to the criteria of the “2000-Watt Society” and will consist of 164 apartments.

The apartments on the upper floors are to be protected against disturbing structure-borne noise from the shop and storage areas on the ground floor. Furthermore the truck loading ramp is also mounted in a structure-borne sound absorbing manner.

mageba addresses the noise problem by installing high-quality impact sound insulation underneath the flooring in order to reduce the noise emissions directly at the place of origin.

mageba scope

To solve the described requirements mageba supplied 3,640 m² of the profiled elastomeric bearing VIBRAX®DAMP 17/8 for impact sound insulation of the screed construction.

In addition, mageba accompanied the installation of impact sound insulation and the subsequent concreting work with quality assurance measures.

By implementing those construction measures the requirements of the SIA 181 sound insulation standards were accomplished.

Highlights & Facts

mageba Products:

Type: VIBRAX®DAMP 17/8
Installation: 2018

Structure:

City: Luzern-Littau
Country: Switzerland
Type: Residential building
Built: 2018
Owner: RSP Bauphysik AG
Contractor: Christen AG
Engineer: K2S Bauingenieure AG
Architect: DEON AG

Grossmatte is located in Littau, Canton of Lucerne, Switzerland



Joints need to be sealed with adhesive tape to avoid screed penetration and noise bridges



Installation of VIBRAX®DAMP 17/8

