

Pinpointed Vibration Isolation for a Wide Range of Requirements

Elastomer system from G+H Noise Control allows elastic mounting of equipment bases and machine foundations



Insulation

Fire Protection

Noise Control

Challenge

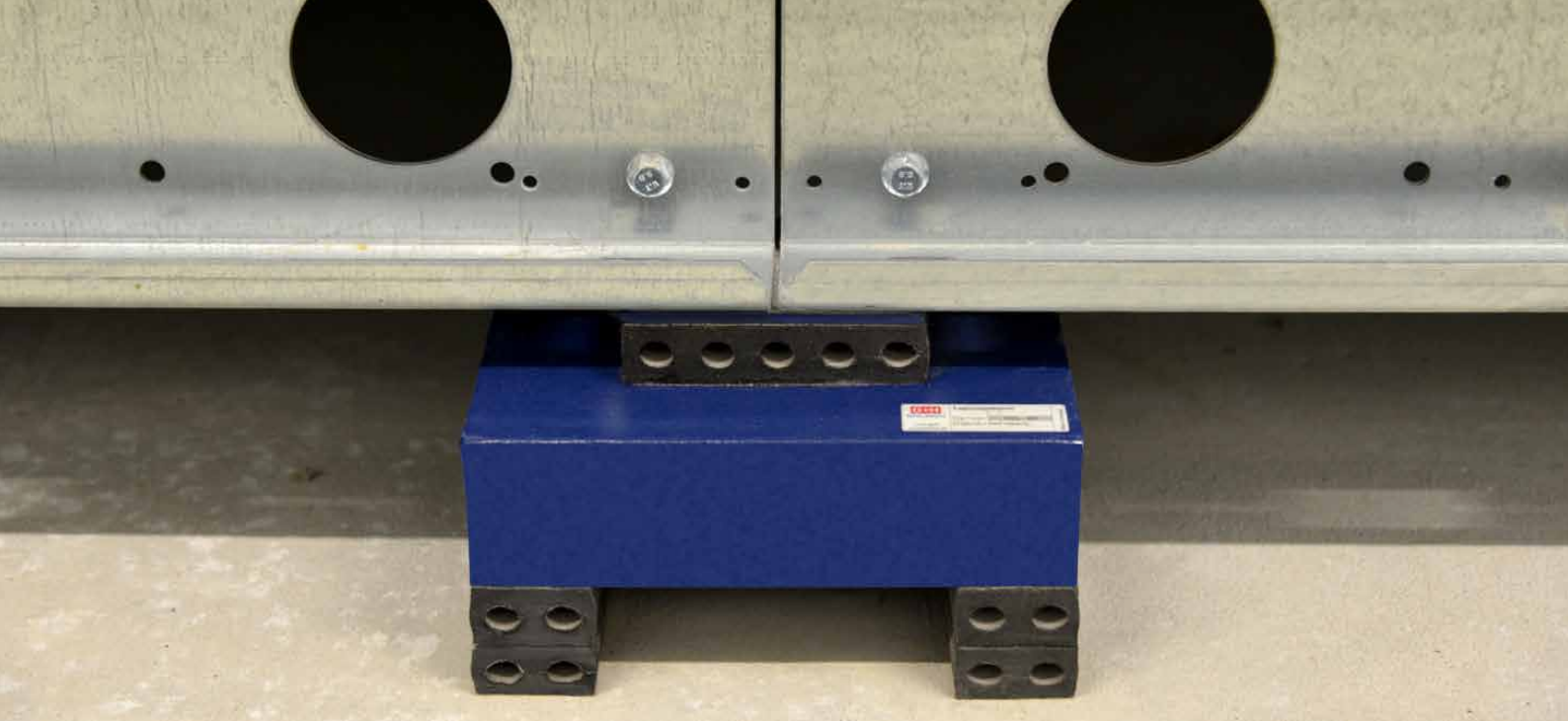
Technical equipment (e.g. ventilation) must work silently in acoustically sensitive areas, such as office buildings and hospitals. Ventilation equipment, in particular, has different module weights which can differ substantially, so that it is important to apply structure-borne vibration isolation and noise insulation for optimum sound absorption.

Project

Wildau Technical College, Germany

Project Data

RLT modular units
Refrigerators
Facility management systems



Besides G+H MAFUND insulation sheets, especially AVIB® P is suitable insulation solution for technical equipment such as ventilation. AVIB® P is a cellular elastomer, consisting of a special polyether urethane, with gas in its cells. Not only does this make it particularly elastic and tear-proof, but the material also retains its volume both under static and dynamic strain. There are six basic types which cover

nearly all application scenarios as well as custom solutions. As they are manufactured as molded parts, they are suitable for selective insulation to suit the module weight. A special software application is used to calculate optimum positioning on the relevant surface. This program creates a customized layout based on the relevant technical details. As a result, full-surface insulation is often no longer required.



CHALLENGE

- Ensure low-noise operation of technical installations e.g. in office buildings and hospitals
- Insulate modules with different weights

SOLUTION

- Cellular elastomer systems, MAFUND, DEL elements
- Software for the pinpointed positioning of the vibration absorbers
- Use of molded parts

ADVANTAGES

- Insulation adjusted to varying module weights
- Suitable for dynamic and static loads
- Cost-effective single point positioning