

Case Study

Renovation of Hotel Alte Post



» Vibration-isolating floating floor for heavy traffic areas

» Cost benefit from quick and easy installation

» Maintenance-free sound insulation for permanent domestic and working comfort

Sound Insulation for a Multi-Purpose Building



Easy handling on-site

Description of the project

Getzner produced and installed impact noise installations for heavily-used floors during the renovation of the Hotel Alte Post in Arzl, Tyrol. The renovation included the construction of an addition to the supermarket MPREIS, towards the front of the building.

The finished building complex will contain a restaurant, a dental surgery, a cosmetic studio and private dwellings, in addition to the supermarket. The varied usage of the complex created the requirement for a special type of noise insulation. Getzner provided resilient materials to reduce both structure-borne noise and secondary air-borne noise over the 2500 m² usable floor space.

"The opening date was non-negotiable, which meant all work had to be completed before deadline day. Therefore, it was even more critical that we not only found an effective solution, but also a partner with the necessary experience to implement it. This is what drew us to Getzner," explains Ingrid Heinz, spokeswoman for MPREIS.

The Getzner solution

Construction Mat provides efficiency: a thin underlayment that provides a high degree of impact noise insulation.

The quality of Getzner's product, the simplicity of the Getzner solution, and their consultation services led to excellent reviews of Getzner in the Hotel Alte Post project. The Getzner Construction Mat has been specially designed for heavily-used floors in industrial and commercial premises and meets high noise insulation requirements. Construction Mat effectively damps the high noise levels caused by walking or traveling over the floor through effective decoupling of the floor slabs. The operation

of machinery or equipment, or the movement of clusters of people generates noise and vibrations that can be disruptive to other users of the building. A single elastic layer of Construction Mat, 16mm (0.63") thick complied with the project specifications, including the high impact noise insulating requirements for the project. Comparable products on the market are only capable of delivering the same effect if installed in multiple layers. The single layer construction of Getzner's Construction Mat allowed for a thinner finished floor build-up, and accelerated installation times. Both aspects have a positive impact on construction progress and costs - and not just in Arzl.





Bonded joints



Simple cutting

The entire shop floor, stockroom and part of the restaurant - an area totaling 800 m² - have been fitted with Getzner's impact noise insulation solution - Construction Mat. Staff from Getzner were on site during the installation to provide expert advice and support.

Tailor-made planning, punctually delivered

Alongside elastic materials, Getzner is also a source of extensive technical advice on vibration isolation. "With every project we undertake, we analyze exactly what the customer wants and needs in order to work with them in developing the right solution. To verify

the effectiveness of the actions taken, we also assist the project with repeat noise measurements. A major challenge in the Alte Post project was that all the stipulated work had to be completed by the opening date.

Thanks to excellent coordination and seamless interaction with the other contractors on site, we were able to meet the required deadline. Regular construction meetings as well as the perfectly arranged delivery and installation of the material undoubtedly contributed to the successful conclusion of the project," summarized project manager Lothar Säly.

Feedback

"The experts from Getzner provided valuable input and were on hand to lend their support during the installation process. By completing everything to schedule we were able to open the building on time in November 2013", reported Ing. Harald Stoll from construction supervisors Stoll Wohnen Bau GmbH in Arzl.





Facts and figures at a glance

Renovation of Hotel Alte Post and supermarket extension

Scope of the renovation:	19,500 m ³ renovated space
Operator:	MPREIS GmbH
Client/ general contractor:	Stoll Wohnen Bau GmbH, Arzl, Tyrol
Appointed acoustic and vibration technology expert:	Fiby ZT-GmbH, Innsbruck, Tyrol
Impact noise insulation: Services:	Getzner Werkstoffe GmbH, Bürs, Vorarlberg Planning support, detailed solutions, installation supervision, provision of impact noise insulation
Opened:	November 2013

Getzner Werkstoffe GmbH

Foundation:	1969 (as a subsidiary of Getzner, Mutter & Cie)
Chief Executive Officer:	Ing. Jürgen Rainalter
Employees:	220 in Bürs, 99 abroad
2013 turnover:	EUR 65.1 million
Business areas:	Railway, construction, industry
2013 output:	7,816 tonnes of technical PU materials
2013 recycling:	9 tonnes of residual PU materials
Locations:	Bürs (AT), Munich (DE), Berlin (DE), Lyon (FR), Amman (JO), Tokyo (JP), Pune (IN), Beijing (CN), Kunshan (CN), Charlotte (US)
Ratio of exports:	86 percent

References for floating floor applications (extract)

- Fitness First, Tottenham Court Road, London, United Kingdom, 2013
- Soho Gym, Covent Garden, London, United Kingdom, 2013
- Mariinsky Theater, St. Petersburg, Russia, 2012
- Alexandrinsky Theater, St. Petersburg, Russia, 2012
- KIT Campus, Karlsruhe, Germany, 2012
- College in Saarbrücken, Germany, 2012
- Emaillierwerk shopping center, Fulda, Germany, 2011
- Ortho Center, South Illinois, USA, 2011
- Palace Hotel, fitness studio, kitchen and hotel rooms, Japan, 2011
- Harlem Hospital, USA, 2011
- Takeda Pharmaceutical Shonan R&D laboratory, Japan, 2010
- Kirin Beer (Yokohama Research Center), sports hall and canteen kitchen, Japan, 2010
- KONAMI Sports Club-Osaka Station Bldg., fitness studio, Japan, 2010
- BILLA supermarket, Baumgasse, Austria, 2009