

Case Study

Renovation of Hotel Alte Post, Tirol (AT)



» 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 The Getzner solution

In renovating the Hotel Alte Post in Arzl, Tyrol, Getzner was tasked with installing impact noise insulation for heavily-used floors. As part of the renovation work, an extension for the supermarket MPREIS was also constructed at the front of the building.

In addition to the supermarket, the building complex is also intended to house a restaurant, a dental surgery, a cosmetic studio and private dwellings. Owing to the varied usage of the complex, a special type of noise insulation was required. The aim was to reduce both structure-borne noise and secondary airborne 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.

Efficiency thanks to high degree of impact noise insulation

Getzner scored highly in the Hotel Alte Post project thanks to more than just our solution-finding ability and consultation services; in this project, the quality of the product was also key. The Getzner Construction Mat has been specially designed for heavily-used floors in industrial and commercial premises and meets high noise insulation requirements. It perfectly dampens the high noise level caused by walking or travelling over the floor through particularly effective decoupling of the screed plate. Running machinery and equipment or clusters of people generate noise and

vibrations that can be disruptive to other users of the building. Due to the high impact noise insulating effect of the elastic Construction Mat, the project managers in Arzl were able to comply with all limit value specifications with just a single layer of the material measuring a mere 16 mm thick. Comparable products on the market are only capable of delivering the same effect if installed in multiple layers. This product benefit permitted a lower floor construction and accelerated installation times. Both aspects have a positive impact on construction progress and costs - and not just in Arzl. The entire shopfloor, stockroom and part of the restaurant - an area totalling 800 m² - have received an





Bonded joins



Simple cutting

efficient impact noise insulation solution. Staff from Getzner were on-site during the installation to provide expert advice and support.

Bespoke planning, punctually delivered

Alongside elastic materials, Getzner is also a source of extensive technical advice on vibration isolation. "With every project we undertake and analyse 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," summarised 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:	Getzner Werkstoffe GmbH, Bürs, Vorarlberg
Services:	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:	219 in Bürs, 93 abroad
2014 turnover:	EUR 70.3 million
Business areas:	Railway, construction, industry
2014 output:	7,367 tonnes of technical PU materials
2014 recycling:	17 tonnes of residual PU materials
Headquarter:	Bürs (AT)
Locations:	Munich (DE), Berlin (DE), Stuttgart (DE), France (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 Theatre, St. Petersburg,
Russia, 2012
- Alexandrinsky Theatre, St. Petersburg,
Russia, 2012
- KIT Campus, Karlsruhe, Germany, 2012
- College in Saarbrücken, Germany, 2012
- Emailierwerk shopping centre, 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