PRESS RELEASE

08.02.2018

**Peace and quiet on Berlin’s Alexanderplatz   
Newly built “Hampton by Hilton” hotel with vibration protection by Getzner Werkstoffe**

**In the middle of last year, the largest hotel in the “Hampton by Hilton” chain opened on Berlin’s Alexanderplatz. Its central location in the eastern part of the capital city is not the only benefit: it also lies close to some of the city’s tramway lines. Vibration protection was installed to ensure that noise and vibrations from these are not transferred to the building.**

Extensive [bedding of buildings](https://www.getzner.com/en/applications/construction/structural-dynamics/elastic-shielding-of-buildings) is a key aspect of construction projects in capital cities. Where there is a combination of metro tunnels, tramway lines and main traffic networks, measures must be put in place to minimise their impact for residents and hotel guests in adjacent buildings. The structure-borne and secondary airborne noise survey carried out in the planning phase demonstrated the need for elastic bearing in the new “Hampton by Hilton” hotel. The L-shaped building with attached apartment block has 344 rooms on eight floors with 12,200 square metres total floor space. The adjacent tramway lines, as well as the traffic arteries, produce noise and vibration. “The vibration protection measures for the benefit of our hotel guests and residents in the vicinity have been effective: our hotel has now been operating for more than six months and we can say with a fair degree of certainty that our guests are able to enjoy a comfortable stay and undisturbed night's sleep in our centrally located hotel,” explains Marc Schmidt, General Manager of “Hampton by Hilton”.

**Emissions requirements met; architectural goals achieved**

So that vibrations from the tramway lines are not transferred over ground to the building structure, the hotel was decoupled with a [full-surface bearing for buildings](https://www.getzner.com/en/products/construction-products/full-surface-bearings-for-buildings). Getzner Sylodyn® mats were laid along the course of the street under the floor slab of the hotel. This prevents the transmission of unwanted vibrations to the building structure.

A challenging feature of this building project was the presence of groundwater: “[Sylodyn®](https://www.getzner.com/en/products/sylodyn) mats by Getzner are closed cell and retain their outstanding properties even when used below groundwater level. Alongside quality materials, qualified vibration expertise and professional installation are what guarantee success when implementing these types of measures,” according to Michael Biskup, Project Manager at Getzner. [Vibration protection](https://www.youtube.com/watch?v=tGAU1UrtI3c) means that the relevant guidelines for (secondary) airborne noise and vibration emissions are being met at the “Hampton by Hilton” hotel. This ensures that hotel guests and people in the surrounding area are not subjected to unnecessary disturbance.

**Fact box:**

**“Hampton by Hilton”, Berlin Alexanderplatz**

**Hotel management:** PRIMESTAR Hospitality GmbH

**Developer:** Lambert Wohnbau GmbH

**Architect:** Collignon Architektur und Design GmbH

**Client:** PORR Deutschland GmbH

**Planning office for vibration protection:** imb-dynamik GmbH

**Benefits of resilient bedding of buildings at “Hampton by Hilton”**

* Approved vibration protection ([abZ](https://www.getzner.com/en/press/polyurethane-materials-obtain-abz-certification))
* Guests enjoy an extremely comfortable stay, undisturbed by the high level of tramway and metro emissions (adjacent tramway lines, as well as a metro tunnel under the building)
* Enables high-quality, upscale use of the property

**Image 1:** Getzner\_GBL\_HBH\_Alexanderplatz.jpg

**Caption**: Sylodyn® mats underneath the floor slab prevent vibrations emitted from the tramway being transferred to the building structure.  
**Image source:** Getzner Werkstoffe, may be published free of charge

**Image 2:** Getzner\_Hampton\_by\_Hilton\_Alexanderplatz.jpg

**Caption**: Vibration protection at the “Hampton by Hilton” ensures that hotel guests are not disturbed by noise from the tramway line or traffic.

**Image source:** Linus Lintner, may be published free of charge

**Getzner Werkstoffe GmbH**

Getzner Werkstoffe is the leading specialist in the field of vibration isolation and protection. The company was founded in 1969 as a subsidiary of Getzner, Mutter & Cie. Its solutions are based on the products Sylomer®, Sylodyn®, Sylodamp® and Isotop®, all of which were developed and manufactured at Getzner’s own facility. They are used in the rail, construction and industry sectors to reduce vibrations and noise, improve the service life of bedded components and minimise the need for maintenance and repairs on tracks, vehicles, structures and machines.

Getzner markets its vibration protection solutions around the world. Alongside its locations in Buers and in Germany, Getzner also has offices in China, France, India, Japan, Jordan and the USA. Its tightly-knit distribution network in Europe is complemented by its distribution partners in the USA, South America and the Far East. Partners in a total of 35 countries around the world distribute Getzner Werkstoffe products to every location. By reducing noise and vibrations, Getzner is making a valuable contribution towards enhancing the quality of living and working conditions.

**Facts and figures – Getzner Werkstoffe GmbH**

Founded: 1969 (as a subsidiary of Getzner, Mutter & Cie)

Chief Executive Officer: Juergen Rainalter

Employees: 380 (260 in Buers)

2016 turnover: 80.4 million euros

Business areas: Rail, construction, industry

Headquarters: Buers (AT)  
Locations: Beijing, Kunshan (CN), Munich, Berlin, Stuttgart (DE), Lyon (FR),   
 Pune (IN), Amman (JO), Tokyo (JP), Charlotte (US)

Ratio of exports: 90 percent

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