PRESS RELEASE

XX/XX/2017

**High-quality sound control for the Seine Musicale cultural centre**

**Futuristic building in Paris prepared for sophisticated acoustic requirements**

**Buers (AT), Paris/Lyon (FR). Southwest of Paris, on Île Seguin on the Seine, there has been a new, impressive cultural centre since April 2017: La Seine Musicale. Getzner Werkstoffe is responsible for the sound and vibration protection in the acoustically sensitive building.**

In Boulogne-Billancourt close to Paris, Bob Dylan inaugurated the impressive building situated on one of the Seine's islands with a concert early this year. La Seine Musicale on the Île Seguin, modelled on a ship, was proposed by architects Shigeru Ban and Jean de Gastines. In the centre of the construction stands a spherical glass façade, around which a photovoltaic sail moves with the sun's path. The building's unique acoustic concept was developed by Lamoureux Acoustics from Paris and Nagata Acoustics from Tokyo, who were responsible for the acoustics of the Paris Philharmonic Hall and the Fondation Louis Vuitton in Paris as well as the Elbe Philharmonic Hall in Hamburg. The calculations for and design of the soundproofing bearing, as well as the suitable materials, came from Getzner.

**Interplay of architecture and acoustics**

The special architecture provided several challenges for the acoustics and vibration engineering. The task of solving these fell to Lamoureux Acoustics working together with Getzner France. “The Parisian engineers decided to choose Getzner as partner, as we had already successfully implemented several challenging projects like this one and also have many years of experience in France,” explains Cédric Le Chevillier, the project manager responsible at Getzner France. The project required that many different places in the building that needed to be decoupled to be calculated precisely and adapted appropriately to the environmental conditions. “Our highly efficient materials Sylodyn® and Sylomer® are perfectly suited to the diverse applications. The elastic materials absorb vibrations so that they cannot be transmitted to other areas,” says Cédric Le Chevillier.

**Vibration protection for the highest acoustical standards**

In order to absorb undesired vibrations in the Seine Musicale, the joins between the glass façade of the auditorium and the concrete of the hull were elastically decoupled using Sylodyn®. To guard against footfall noise, the floors of the “Tutti” platform and the large rehearsal room had Sylomer® bedding installed, while the roof terrace is bedded on the water-resistant [Acoustic Floor Mat](https://www.getzner.com/en/press/new-product-range-impact-noise). “The durable mats protect efficiently against sound transmission from the rooms below,” explains Cédric Le Chevillier. Additional sound control measures were implemented for the stairs and walls. Getzner also supervised the installation on site and carried out final acceptance tests.

**Getzner in France**

Getzner has been active in France for over 35 years, opening its Lyon location in 2015. A number of highly acclaimed, and also smaller, regional projects, highlight the success of the vibration protection solutions. The [Palace of Versailles](https://www.getzner.com/en/press/versailles), the Paris Philharmonic Hall and “La Rose de Cherbourg” in Paris La Défense all rely on their highly effective bedding and noise insulation. The company Valmet in Cernay depends on the high resilient vibration protection from Getzner for its 170-metric ton [industrial grinders](https://www.getzner.com/en/press/vibration-protection-for-170-t-precision-machine).

**La Seine Musicale on the Île Seguin**

Client: Bouygues Bâtiment Île-de-France

Operator: Conseil départemental des Hauts-de-Seine

Architects: Shigeru Ban, Jean de Gastines

Acoustics: Lamoureux Acoustics, Paris; Nagata Acoustics, Tokyo

Vibration protection: Getzner France

Vibration protection solution: Vibration protection for the steel roof construction using Sylodyn®, bearing the floor panels of the “Tutti” platform and the large rehearsal room on Sylomer® blocks, bearing of walls, the spaces in between and expansion joints, vibration isolation of the stairs (incl. metal stairs) using Sylomer® supports, bearing of the roof terrace on the Acoustic Floor Mat

Construction period: July 2014 – April 2017

**Tweet suggestion:** It's not just @bobdylan's voice that makes #laseinemusicale sound so good! #Getzner #vibrationprotection

**Image 1:** Seine Musicale Paris C Laurent Blossier

**Caption**: The bespoke vibration protection solutions from Getzner produce a high-quality environment within the modern cultural centre La Seine Musicale.

**Image source**: Laurent Blossier, may be published free of charge

**Image 2:** Seine Musicale Paris C Jean-Luc Dolmaire

**Caption**: The joins between the glass façade of the auditorium and the concrete of the hull were elastically decoupled using Sylodyn®.

**Image source**: Jean-Luc Dolmaire, may be published free of charge

**Image 3:** Acoustic Floor Block Cite Musicale

**Caption**: The elastic discrete bearings made from Sylomer® under the screed prevent vibrations from being transferred to the structure.

**Image source**: Getzner Werkstoffe, may be published free of charge

**Image 4:** Schlitzwand Cite Musicale

**Caption**: Vibration protection mats made from Sylomer® provide effective noise insulation within the building as well.

**Image source**: Getzner Werkstoffe, 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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