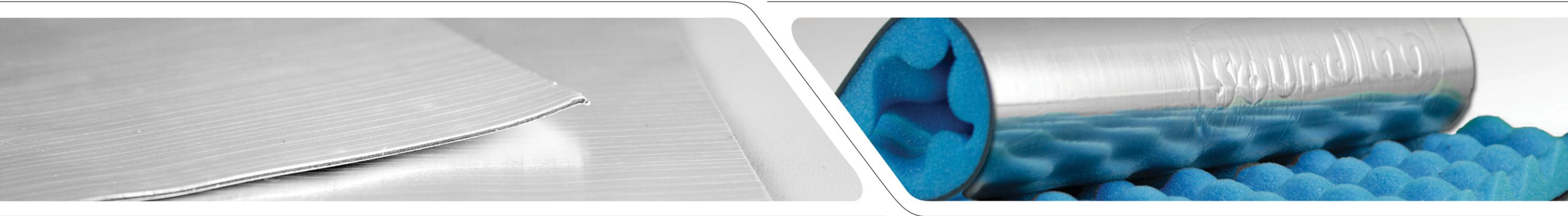


CASE STUDY

SILENCING THE PROBLEM OF GARBAGE CHUTES

with Pyrotek's Decidamp[®] SP80





Background

Since 1950, the urban population across the world has gone up from 751 million to 4.2 billion in 2018 - and the process of urbanisation is certainly not slowing down. While the onset of the global pandemic and dynamic rise of remote work might have redefined our relationship with cities and created new residential realities for regional parts of the country, urban centres still attract a tremendous amount of people.

Challenges

This growing density of the urban population has increased the demand for high-rise residential buildings, which continue to be one of the most popular choices for city living. Often close to the metropolitan centres, offering uninterrupted views - and better ventilation being further away from the street level, high-rise residential developments are synonymous with easy, comfortable living. However, they present some disadvantages that can affect the well-being and convenience of those living within them.

Garbage chutes have certainly been in high demand as the most convenient and effective rubbish and recycling system for multistory apartments. They are an efficient and hygienic way to dispose of garbage or recyclable goods in those types of environments. Modern chutes are now smarter than ever. They are designed both for the ultimate comfort and for the health and safety of their users, making them an optimum solution for high-rise applications.

However, while convenient, efficient and straightforward to use, garbage chutes can be noisy and affect the standard of living in high-rise buildings - particularly in apartments immediately adjacent to the chute. The impact caused by the disposed objects that travel down the garbage shaft can cause structural vibration, which can produce high noise levels and cause disturbance for the buildings' occupants.

Solution

To provide optimum comfort to the residents and decrease noise pollution, developers and construction companies need to apply the best solutions to prevent or dampen the noise produced by the garbage chutes - such as Decidamp® SP80 from Pyrotek.

Decidamp® SP80 is a fast-drying, water-based viscoelastic vibration damping compound designed for building applications. With its advanced formula developed for the acoustic improvement of structures exposed to vibrations and noise impact, Pyrotek's product is an excellent choice for high-rise building developments that require a dampening agent to manage garbage chutes noise levels. Made with unique polymer technology, Decidamp® SP80 is lightweight and non-toxic, and it's suitable for all applications where noise can impact structural longevity, comfort and function - whether it's exterior or interior. It's easy to apply directly to structures made with steel, alloys or fibreglass by simply spraying, rolling or trowelling onto the surface.

Once applied, Pyrotek's product is water and chip-resistant. It also presents a low risk for combustibility, resulting in a safe, long-lasting solution that effectively dissipates vibrational energy and improves the comfort and quality of life of the building residents.

Decidamp® SP80 isn't the only soundproofing solution offered by Pyrotek. Their wide range of products catering for the building industry includes soundproofing solutions like Decidamp CLD, Soundlag, Soundalloy and many more. Get in touch with Pyrotek to find out more about their range and find the right product for your project.

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