

INDOOR CLIMATE CHANGE

# Less noise & better indoor climate with **FiberAcoustic®** Impact



## HOW TO OPTIMISE INDOOR CLIMATE USING IMPACT NOISE DAMPING

Acoustic conditions in everyday life mean more than you might think. Our ears are extremely sensitive to even the tiniest of noise disturbances, and our daily well-being will eventually be affected if we are constantly exposed to noise at home and in the workplace. It is therefore important to dampen the ambient noise level as much as possible.

The FiberAcoustic® Impact product line provides noise reduction of up to 39 dB on impact sound. This contributes to a healthy and sustainable indoor climate and provides a greater quality of life. The product line more than complies with legal requirements, tests and documentation - it raises the bar for effective noise reduction in the properties of the future.





# Easy and effective impact noise damping with **FiberAcoustic® Impact**

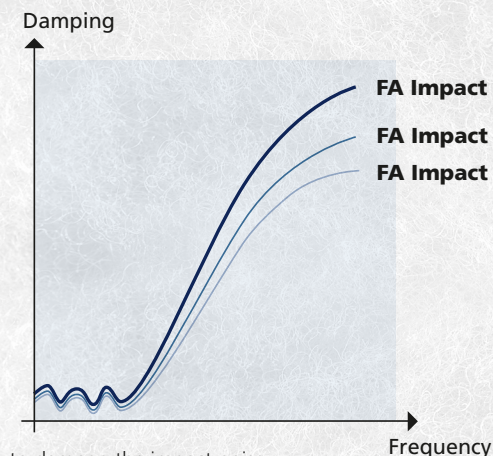
The FiberAcoustic® Impact product line has been specially developed for impact noise damping under floating concrete floors in floor structures, stairways, corridors and wet rooms, and for the refraction of sound between concrete elements.

- Up to 39 dB impact noise damping
- 100% environmentally & allergy friendly
- Keeps its shape and doesn't collapse
- Improved indoor climate and well-being
- Resilient to mould
- Danish design & development



Documented  
EN ISO 10140

	Impact noise requirements	
Product	Up to	Weighted $\Delta L_w$
FA Impact 21	39 dB	21 dB
FA Impact 19	36 dB	19 dB
FA Impact 18	34 dB	18 dB

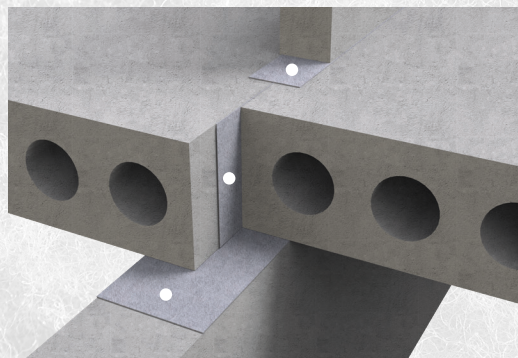


The difference between FA Impact 21, 19 and 18 is their ability to dampen the impact noise.

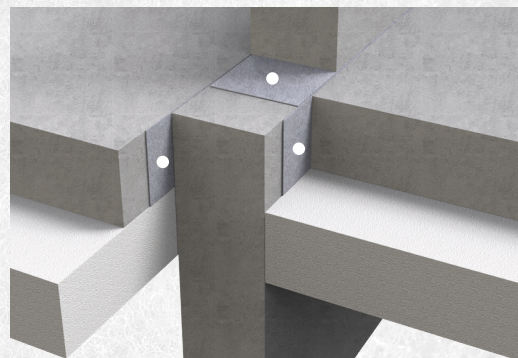
The FiberAcoustic® Impact product line is produced from 100% non-recycled polypropylene needlepunch material. Needle punched material is light and has a porosity of approx. 85%, which ensures effective sound insulation.

The FiberAcoustic® Impact product line is therefore resilient to high loads and does not creep over time. This means that the elastic joints are exposed to the least possible stress and the risk of them slipping is reduced.

## FA Impact Seal



The impact noise between concrete elements is refracted by means of FA Impact Seal. The product can be used for both bearing and non-bearing partitions, as well as division walls and stairs.



FA Impact Seal can also be used as edge insulation between walls/floors.

## Simple installation

Does not require gluing. Can be laid directly on floor structures following preparation.



## Chemically resistant (PP)

Properties are not changed by exposure to moisture or chemicals. No hydrolysis upon contact with water.

## Resistant

Resistant to fungal and bacterial growth.



## 100 % environmentally friendly

Does not contain substances that are harmful to the indoor climate or environment.



## Long durability

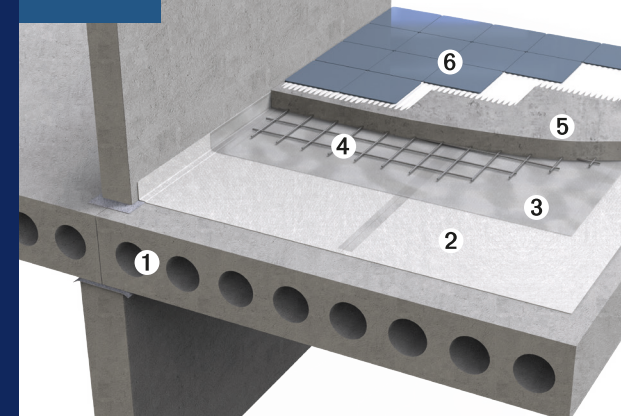
Does not creep over time. Elastic joints undergo minimal stress.

**For floor structures, the impact noise fabric is used between the concrete slab and cast concrete floor to effectively dampen sound transmitted through the construction.**

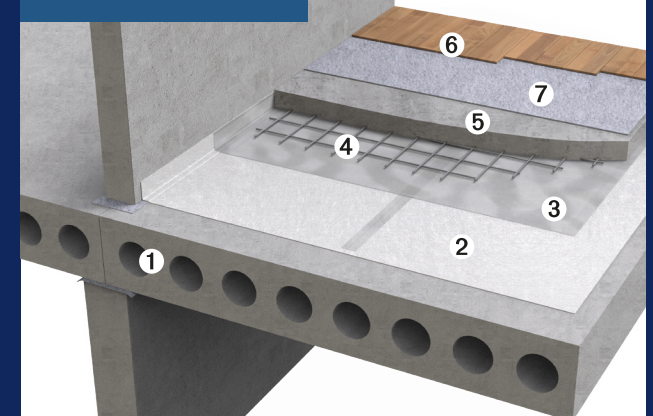
1. Concrete floor
2. FiberAcoustic® Impact
3. Plastic foil / Primer
4. Reinforcement
5. Concrete
6. Tiles or wooden floor
7. Woodback®

The sound damping floor construction is typically constructed as follows:

## For tiles



## For wooden floor





WINNING TOGETHER

# Benefit from our decades of experience



**Cooperation with an experienced company like Fibertex provides you and your business with many benefits. Our comprehensive range of eco-friendly impact noise products has been carefully designed to create a sustainable indoor climate, minimise noise nuisance and improve well-being and health. All in all, this contributes to a better quality of life for both residents and users in buildings.**

Fibertex is the leading global partner in technical and innovative performance-based materials and nonwovens solutions.

We offer more than high-performance materials to our customers in more than 70 countries. We also offer strong partnerships that include access to in-depth industry knowledge and a best-in-class technological platform.

For over 50 years, we have improved nonwovens solutions for a variety of applications and business areas. This experience allows us to propose and deliver world-class solutions.

## **Contact Fibertex**

Please feel free to contact your local sales contact or visit [Fibertex.com](https://www.fibertex.com) to see what we have on offer for you.

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