

IVI-Absorption Wool



SOUND ABSORPTION WITH BENEFITS

Better absorption due to finer fibers!

The sound absorption and sound insulation of spaces is subject to increasing attention. To improve the acoustics of space, usually the reverberation time is shortened. When increasing the sound insulation, a **(IVI)** drywall and/or suspended ceiling is often installed. In both cases a sound-absorbing material is an important part of the solution.

Nevima supplies, for an optimal absorption of sound, the easy-to-use **IVI-Absorption Wool**. In addition to excellent absorbency, it has an important advantage that no fibres are released during installation or use that could cause irritation of the respiratory tract, eyes and skin.

Description

The IVI-Absorption Wool is an ecological filling material for acoustic absorption and thermal insulation. The product is made of 100% synthetic fibers, without chemical binders or additives and is completely recyclable. The IVI-Absorption Wool is easy malleable with a lasting regenerative capacity, but also simple and very pleasant to work with. It can be cut quickly with an insulating knife, a serrated knife or a filament to customize the dimensions. In addition, the wool is flame retardant and has also excellent thermal insulation values.

Applications

When a wall or ceiling should contribute to the improvement of **noise absorption** in a room, reducing the reverberation time using IVI-Absorption Wool is an ideal solution. This product delivers high absorption values because of its fine fiber structure. When applying our **IVI-Acoustic Pro** or **Basic panel**, the IVI-Absorption Wool is used as standard cavity filling. As a result the absorption value is doubled. This construction and achieved values has been measured in a professional laboratory.

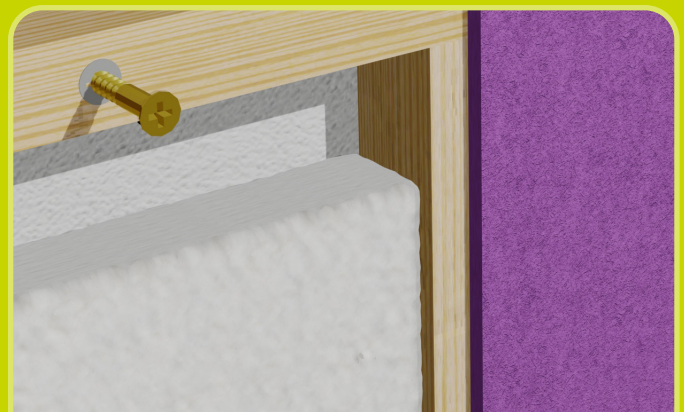
The IVI-Absorption Wool is also excellent for use behind a slatted ceiling, a metal stretch ceiling or a perforated plate. IVI-Absorption Wool is available in white and black. For visible work a black version can be applied making Firet cloth redundant. The IVI-Absorption Wool can also be used for improving the absorption of suspended ceilings. Next to a higher absorption value, working conditions during maintenance of pipes and channels are improved. For a cost-efficient solution, IVI-Absorption Wool can be visibly applied to the wall or ceiling, for example on top of galvanized steel mats.

Advantages

- ✔ **High absorption values in a broad spectrum**
- ✔ **Does not cause any irritations**
- ✔ **Ecological**
- ✔ **Pleasant and quick to use**



Space absorption



Detail IVI-Acoustics system



Cost effective absorption hanging system

For **sound insulation**, IVI-Absorption Wool is excellent as cavity absorption behind closed (plasterboard) cladding to prevent **cavity resonances**. The IVI-Absorption Wool provides optimal results in combination with the **IVI-Metal system** and the **IVI-Felt Batten**. The standard plate size of 550 x 1,200 mm fits exactly into the IVI-Metal system (post size 600 mm) and between the IVI-Felt Batten (measurement between the battens 550 mm). This dimensioning prevents cutting waste.

Technical properties

Standard dimensions	550 x 1.200 mm
Thickness	30, 50, 60, 75 en 100 mm (50 en 60 mm white available from stock)
Color	white or black
Specific weight	standard SG15 = 15 kg/m ³
Material	100% PES-fiber
Fire class	flame retardant, PES (up to 80 mm) class B-s1, d0 (EN 13501-1)
Other	100% recyclable, environmentally friendly, skin-friendly, good thermal insulation: SG15 $\lambda = 0.045$ W/mK (DIN 52612) rot-free, insensitive to mold and dust mites, contains no chemical binders, minimal moisture absorption, UV-resistant, temperature resistance -30° tot +120° C





Deviating length, width, thickness, specific weight, design, etc. are possible.

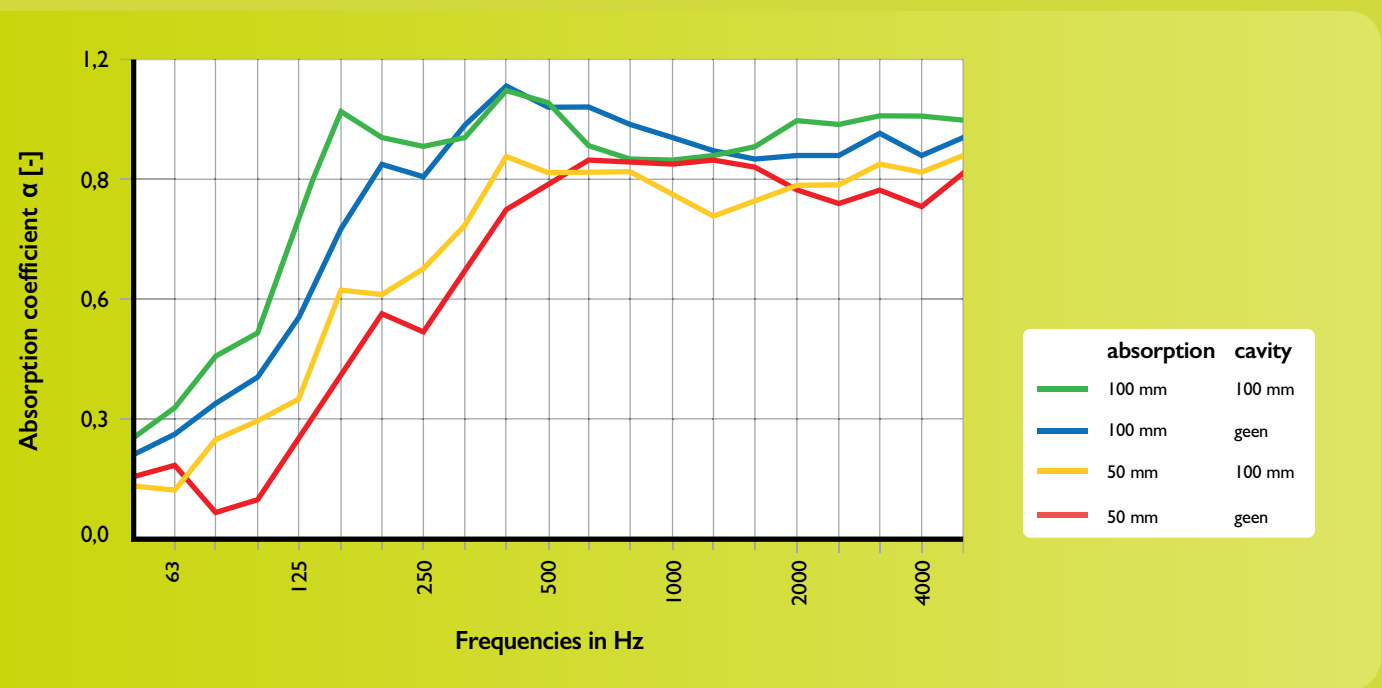
Absorption values

The sound absorption measurement in the reverberation chamber of the IVI- Absorption Wool in accordance with ISO 354:2003 (DPA/CaubergHuygen report).

Extensive test report on request.

Absorption values per frequency band:

	absorption	cavity	aw	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz
	100 mm	100 mm	0,95	0,32	0,73	0,91	0,98	0,87	0,94	0,96
	100 mm	geen	0,90	0,25	0,53	0,88	1,01	0,92	0,88	0,91
	50 mm	100 mm	0,80	0,15	0,39	0,63	0,86	0,79	0,80	0,86
	50 mm	geen	0,80	0,12	0,23	0,53	0,81	0,87	0,81	0,80



A product of Nevima B.V.

Supplier of products for sound insulation, sound absorption, floating screeds and laying materials.

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