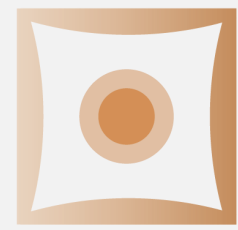


Si-X MUTE

An Acoustic Biomaterial
Created for Green Future

December 2025





Si-X MUTE

What Is Si-X MUTE

Silence Inspired by Nature

Nature itself provided the components for **Si-X MUTE** – **we use only plant fibers** (hemp, miscanthus, flax, wood wool, etc.), bound with the **non-organic mineral bonding agent Si-X BINDER**. Our binder also has a natural origin: ancient algae with a silicon skeleton.

The philosophy behind our products and materials is **uncompromising environmental friendliness**. We adhere to these principles unwaveringly: from **natural raw materials to closed-loop technology** and the **elimination of negative environmental impact** at the end of a product's life cycle.





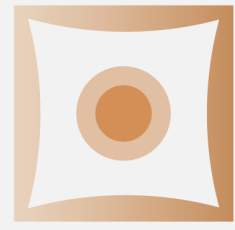
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Environmental Solution

Our environmental solutions are based on the principles of **sustainable development** and are achieved through the following factors:

- **Use of exclusively natural materials** – no synthetic materials, components, or additives are used in the production of **Si-X MUTE**.
- **Negative carbon footprint**. Plant-based raw materials absorb significant amounts of carbon dioxide during growth. We deliberately avoid using energy-intensive materials such as cement, stone wool, and polyester.
- **Waste-free production** – circular economy: no solid waste, production effluents, or emissions into the atmosphere.
- **Si-X MUTE** panels are **100% recyclable** and biodegradable.



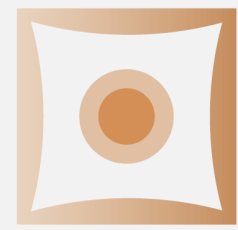


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Environmental Solution



Hemp mat and **Si-X MUTE** acoustic panel formed from hemp mat



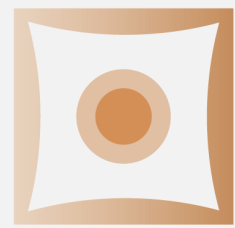
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Inspired by Nature

The design of **Si-X MUTE** panels is also inspired by nature:

- Circles on the water of a forest lake
- The changing pattern of sand dunes
- The gentle curves of green hills
- A sea beach with large pebbles



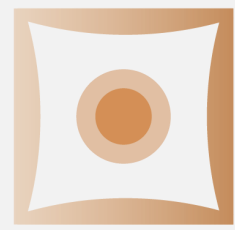


Si-X MUTE

Inspired by Nature



Wood wool-based **Si-X MUTE** acoustic panel and its cross-section

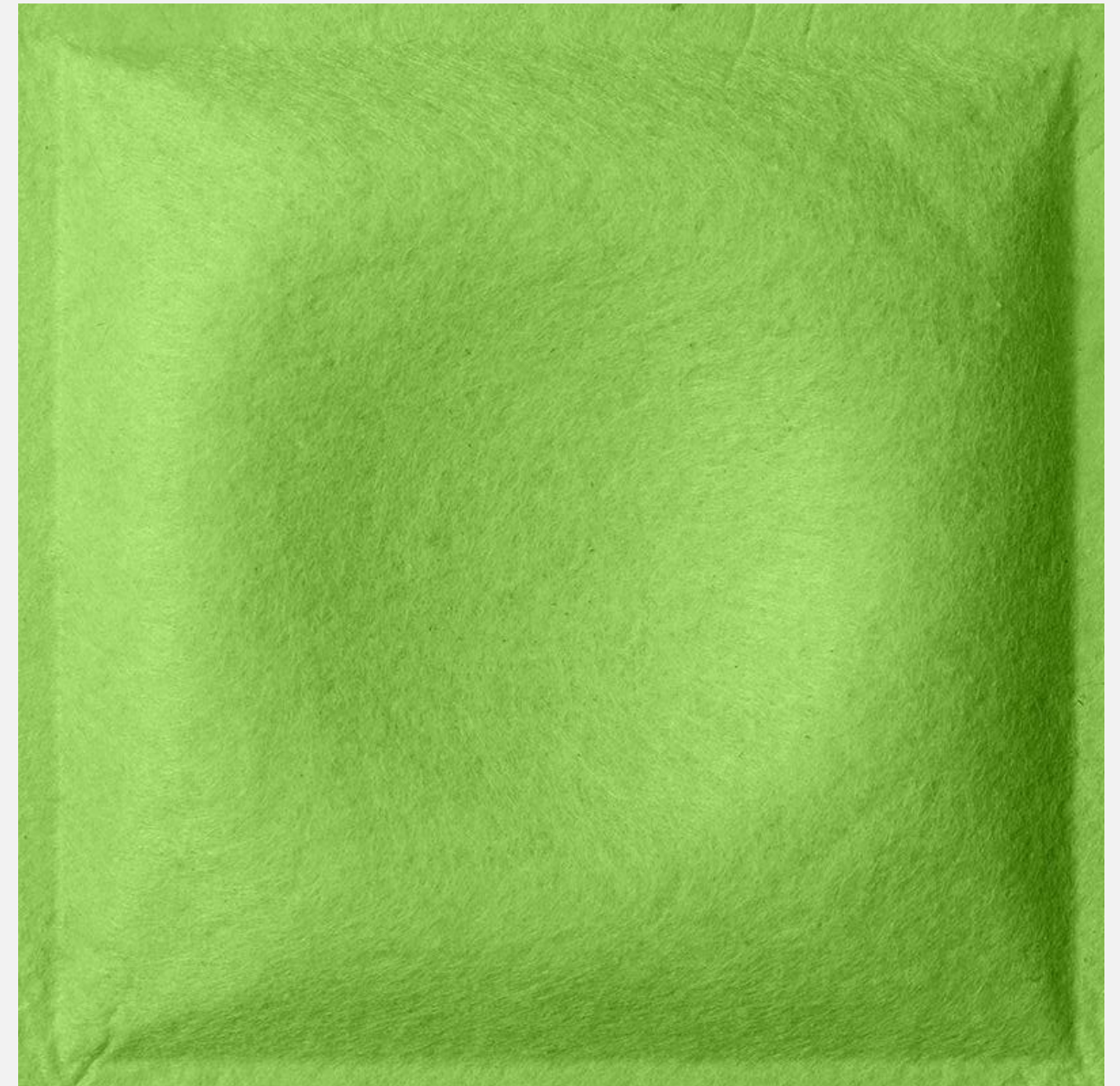


Si-X MUTE

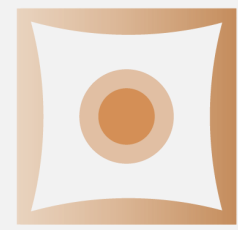
Thanks to 3D molding, **Si-X MUTE** panel technology allows designers to bring their **most creative ideas** to life.

The surface of **Si-X MUTE** panels can retain the **authentic texture** of natural wood wool, or hemp fabric, and can also be painted.

Creative Freedom



Hemp mat and **Si-X MUTE** acoustic panel with natural felt



Si-X MUTE

Creative Freedom

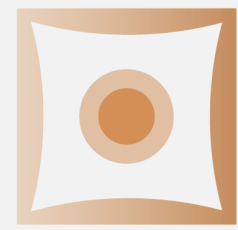
We use **Si-X BINDER** to apply **any decorative fabric or felt** directly to the surface of **Si-X MUTE** panels during production.

This gives designers more **freedom to create unique interiors**.

All **environmental and fire safety requirements** are met.

Si-X MUTE production technology allows manufacturing panels of **various thicknesses and sizes**: from standard 600*600 mm to large-format 1200*2400 mm, as well as tiles of various shapes and sizes.





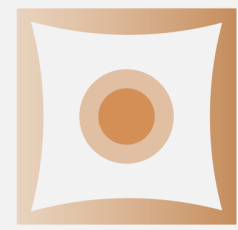
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Si-X MUTE Properties

Si-X MUTE panels have an outstanding set of features:

- Excellent acoustic properties
- Lightweight
- Recyclable and biodegradable
- Mold-resistant
- Flame-retardant (B, s1, d0) with minimal toxicity of combustion products
- Non-toxic, naturally hypoallergenic
- Durability and performance without synthetic additives





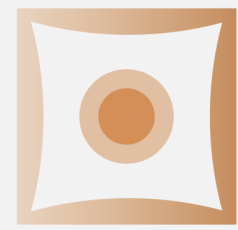
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Negative Carbon Footprint

What's more, Si-X MUTE panels have a negative carbon footprint:

- **Si-X MUTE Hemp** 3.5 kg/m²: -0.84 eKg CO₂/m²;
- **Si-X MUTE Hemp + hemp acoustic mat 50 mm**: -2.0 eKg CO₂/m²;
- **Si-X MUTE Woodwool 25 mm**: -2.65 eKg CO₂/m²;
- **Si-X MUTE Woodwool 25 mm + hemp acoustic mat 50 mm**:
-4.0 eKg CO₂/m²





Si-X MUTE

Our Proposal

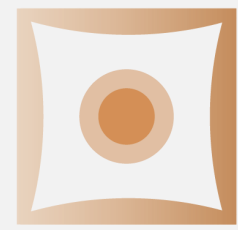
We **developed the material and technology**,
but we do not produce and sell acoustic panels.

We are **seeking a strategic partnership** with acoustic panel manufacturers.

We are now ready to **supply Si-X BINDER**, the core of our technology.
We have production facilities for **Si-X BINDER** in Austria and Ukraine
and our own deposit of the raw material.

We can provide lab samples of the panels upon your request.





Si-X MUTE

Contacts

EU and USA: Mr. Egon Doeberl

Mobile: +43 (0) 676 7781215

Phone: +43 (0) 79 42 778 11-10

e-mail: egon.doeberl@thermotec.eu

Eastern Europe and Asia: Mr. Illarion Eine

Mobile: +38 (0) 67 466 3734

e-mail: ieine@si-tech.solutions

Skype: illarion.eine

