

**Aisti**



Safe and Sound

[aisti.com](http://aisti.com)

# Aisti

Aisti is the end result of years of experience, determined development, technological knowledge, and testing. Aisti was born out of the needs of the industry, but also evolved from the core team's vision to develop a products which would make a tangible difference and offer technically good and sustainable solutions at an affordable price.

Aisti, established in 2019, has developed a foam forming process with wood fibre to create building materials for high-value industry applications, acoustic tiles being the first commercial product of the company.

The current pilot facility is located in Jyväskylä with an annual production capacity of 1000 square meters of acoustic tiles. The company plans to construct its first commercial factory in Eastern Finland with the designed annual capacity of 2,5 million square meters. Production is scheduled to start in 2025.



# Aisti® Teno

Aisti has developed a patented solution using wood fiber and foam forming technology to reduce the carbon footprint of suspended ceiling acoustic solutions by at least 60% compared to currently available solutions on the market.

Aisti® Teno acoustic tile is made from natural fibers without plastic, synthetic binders, or irritating mineral fibers. Aisti® Teno acoustic tile combines ecological features, competitive pricing, and easy recyclability in addition to the technical specifications required by the harmonised standard for suspended ceilings SFS-EN 13964:2014.



# Technical specifications of Aisti® Teno acoustic tile

Absorption class (EN ISO 354/EN ISO 11654)	A
Fire retardancy (EN 13501-1)	B-s1, d0
Emission Classification, Indoor air	M1, French VOC A+
Carbon footprint (LCA: GHG Protocol/EN 15804 A1-C4)	1,02 kg CO <sub>2</sub> e
Carbon dioxide embedded in the product	-2,55 kg CO <sub>2</sub> e
Recyclability (CEPI)	Fully recyclable
Moisture resistance	C class RH95%, 30°C.
Installation	T grid / direct fixing with glue
Thickness	20 and 40 mm
Tile sizes	600 x 600 mm and 600 x 1200 mm

# Acoustic specifications of Aisti® Teno acoustic tile

Thickness/ Installation Height	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	a <sub>w</sub>	Sound Absorption Class
20/20	0,1	0,35	0,75	0,75	0,8	0,85	<b>0,65</b>	C
20/200	0,5	0,9	0,95	0,9	0,95	1	<b>0,95</b>	A
40/40	0,25	0,6	1	1	0,95	1	<b>0,9</b>	A
40/200	0,55	0,9	0,9	0,95	0,95	0,95	<b>0,9</b>	A



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Sales & Further Information

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