



SAFE AND SOUND

*acoustic excellence
without compromise*







STORY

of Aisti

Aisti began with a practical question from a client: Is there a more sustainable acoustic tile for suspended ceilings – without compromising performance or cost?

Aisti's founder Mikko Paananen, then running a ceiling installation company, saw that existing solutions did not meet these expectations. His search for alternatives led him to foam-forming – a fibre-based foam-forming

process researched for acoustic applications but not yet commercialised. Building on this foundation, Aisti was created to bring sustainable acoustics into real construction use.

THE PRODUCT

Aisti manufactures wood fibre based acoustic ceiling tiles for standard suspended grid systems with foam-forming technology. The tiles deliver Class A sound absorption, achieve B-s1, d0 fire classification, and maintain low VOC emissions. The tiles are plastic-free, fully recyclable, and do not contain irritating fibres or harmful chemicals. The product supports circular construction while remaining lightweight, easy to handle, and straightforward to install. Aisti provides a high-performing, sustainable solution at competitive cost – with no green premium in pricing.

FOAM-FORMING TECHNOLOGY

In foam-forming, wood fibres are mixed with water and a foaming agent commonly used in everyday products such as shampoo and toothpaste. The foam allows the fibres to be evenly distributed and precisely structured using less raw material and without synthetic binders or plastics. This creates a lightweight, porous and stable wood fibre network that delivers excellent sound absorption and material efficiency.





AISTI® AALTO

technical specifications

Thickness	20 & 40 mm
Absorption class (EN ISO 354/EN ISO 11654)	A
Fire safety (EN 13501-1)	B-s1, d0
Emission classification, indoor air	M1, French VOC A+
Carbon footprint (EN 15804 +A2)	20 mm GWP-fossil A1-A3 1,29 kg CO ₂ e/m ² A1-C4 1,48 kg CO ₂ e/m ² 40 mm GWP-fossil A1-A3 1,74 kg CO ₂ e/m ² A1-C4 2,01 kg CO ₂ e/m ²
Stored CO ₂ (EN 15804 +A2)	20mm GWP-biogenic A1-A3, -3,09 kg CO ₂ e/m ² 40 mm GWP-biogenic A1-A3, -6,71 kg CO ₂ e/m ²
Recyclability (CEPI)	Core fully recyclable
Humidity resistance	C class RH95%, 30°C
Installation	T grid / direct gluing
Tile sizes	600 x 600 mm 600 x 1200 mm



ACOUSTIC

specifications

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



PRODUCTS

suspended ceiling tiles

SQUARE

600 mm X 600 mm

20 MM

standard white

SIZE

mm

LIST PRICE*

€/m²

A edge

600 X 600
1200 X 600

45
45

E edge

600 X 600
1200 X 600

55
55

RECTANGLE

600 mm X 1200 mm

40 MM

standard white

SIZE

mm

LIST PRICE*

€/m²

A edge

600 X 600
1200 X 600

50
50

E edge

600 X 600
1200 X 600

60
60

B edge

600 X 600
1200 X 600

77
77

S edge

600 X 600
1200 X 600

77
77

*Always refer to your local distributor for prevailing prices

A EDGE



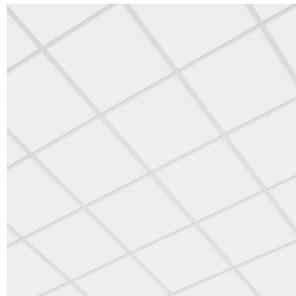
E EDGE



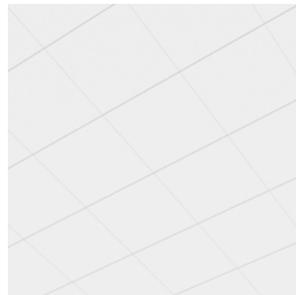
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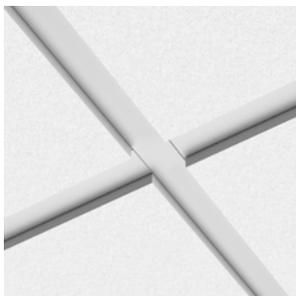
A EDGE



B EDGE



E EDGE



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