acoupanel®
acoustic wall & ceiling

Solid-AP50

Product detail

Product Name	**acou**panel® (AP50), Single layers
Product Category	Wall and ceiling
Material	100% Polyester fibers with > 60% recycled content
Weight	4,800 gram / sq.m +/-
Density	50 kgs / Cubic.m +/-
Thickness	45-50 mm +/-10%
Size	1,220 mm x 2,400 mm

Performance

Sound Absorption	NRC 0.95 with no air gap, ISO 354
Sound Tranmission Class	STC 5, ISO 717 Part 1
Color Fastness to Light	> 6, ISO 105 B02-1994
Reaction to Fire	ASTM E84, Class A
Indoor Air Quality	Low VOCs emission, formaldehyde and Phenol-free
Moisture Content	< 0.15% by weight

Available Colors

2 Colors Available

Piano bk   Grey

White

Installation

> Using a contact adhesive.
> Using double sided adhesive tape.Using
> Using fastmount clips

Sustainability

100% recyclable at the end of its useful life

Certified Low VOCs, Clean Indoor Air Quality

No Red list chemicals, Formaldehyde & phenol free

Antimicrobial Protection

Generated using 40% solar energy

110 550 ml
Minimum 60% post-consumer recycled material

(EPD)
Environmental **P**roduct **D**eclaration in accordance with ISO 14025 and EN 15804

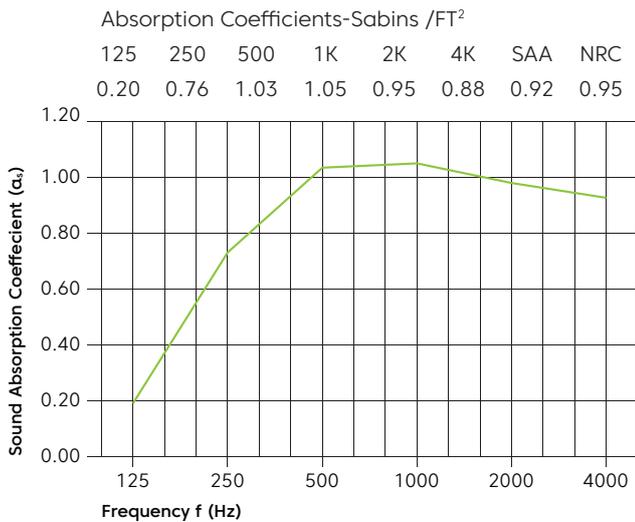**Feltech**

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Acoustic Performance

Highly effective sound absorption and thermal insulation is achieved by using polyester batt. Feltech's polyester fibers are finer and lighter in weight in comparison to using fiberglass. Processed in Feltech's airlaid production line then thermo-bonded into 3 dimensional batts which are soft and full of air pockets.

Noise Reduction Coefficients SAA/NRC 0.95
ASTM C 423-09a, Standard Test Method for Sound Absorption and Sound Absorption Coefficients measured by the Reverberation room Method.

Absorption Coefficients-Sabins /FT^2

125	250	500	1K	2K	4K	SAA	NRC
0.20	0.76	1.03	1.05	0.95	0.88	0.92	0.95

Reaction to Fire

(1) Standard Test Method for Surface Burning Characteristics of Building Materials ASTM E84-23d

Classification : A

Test Results	Flame Spread Index (FSI)	Smoke Developed Index (SDI)
	15	400

In order to obtain the Flame Spread Classification, the above results should be compared to the following table :

Classification	FSI	SDI
A	0 through 25	Less than or equal to 450
B	26 through 75	Less than or equal to 450
C	76 through 200	Less than or equal to 450

Color Fastness to Light

ISO 105-B02:1994, Textiles-Tests for colour fast- ness Part B02: Colour fastness to artificial light: Xenon arc fadinglamp test.

6-7

Rating	Blue Wool Scale
Very poor lightfastness	1
Poor lightfastness	2-3
Fair lightfastness	4-5
Very good lightfastness	6
Excellent lightfastness	7-8

Remark(s) - Test apparatus : Atlas Xenon ARC weather-ometer model Ci3000+
- Blue wood reference rang from 1(Very low colour fastness) to 8 (Very High colour fastness)

Moisture content

ASTM D629-99 (TEST METHOD)
Standard Test Methods for Quantitative Analysis of Textiles Test Parameters - Moisture content Test result

0.09%

Environmental

Environmental aspects, such as making eco-friendly products, fighting pollution and climate change. Feltech has been focusing on developing the innovative acoustic interior products using recycled natural and polyester fibers made of discarded drinking water bottles. Every square of our carpet tile or acoustic wall panel contains the post- consumer recycled polyester.

Feltech's acoustic sound and thermal insulation products use up to 85% recycled content. This surpasses the USGBC LEED MR credit 4.1 & 4.2 recycled content targets. With this high recycled content using Feltech acoustic and thermal insulation products, you are helping to contribute to the clean environment. If you are users of Feltech tile, then you may earn LEED environmental points for your projects.

EPD
Global GreenTag operates an ISO compliant Environmental Product Declaration (EPD)

Indoor Advantage™ Gold
Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0 Conforms to the CDPH/EHLB Standard Method (CA 01350) v1.2-2017 for the school classroom, private office, and single - family residence parameters.

ISO 14001
Environmental Management
Environmental management systems-Requirements with guidance for use
Feltech Manufacturing Co.,Ltd is proceeding to recommend for certification by Bureau Veritas Certification.

CE marking
The manufacturer or importer affirms the good's conformity with European health, safety, and environmental protection standards.

Feltech Manufacturing Co.,Ltd

Feltech pioneered the use of polyester fibers for their non-toxic, non - irritant properties and high efficiency in both sound absorption and thermal insulation. These fibers are also highly recyclable, contributing to cleaner indoor air quality and a more sustainable future.

Feltech operates state-of-the-art factories in Amata City industrial estate, Chonburi, Thailand, equipped with the latest technology, including advanced digital printing. This allows us to print any image or design directly onto our acoustic products, enhancing their high-quality surface finishes and creating uncompromising noise reduction performance for workspaces.

With our expertise in acoustic insulation technologies, our skilled team of designers provides a comprehensive service—from design consultation and technical advice to quotations and installation, ensuring a seamless experience

Our commitment to sustainability ensures a positive impact on both present and future generations.

Sales Office :

3388/92, 25th Floor, Sirinrat Bldg., Rama 4Rd., Klongton, Klongtoey, Bangkok 10110 Thailand

> Map.
> https://maps.app.goo.gl/TBfohCpTDYwRnD7u5

Manufacturing Facilities :
Amata City Chonburi Industrial Estate,

Plant 1

700/377, Moo 6, Donhuaroh, Muang Chonburi. Chonburi. 20000 Thailand

> Map.
> https://maps.app.goo.gl/ZGABMYA8zKUgQ4zB6

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