



Product detail

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

Performance

Sound Absorption	NRC 0.90 without air gap, ISO 354
Sound Transmission 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



Black



Grey

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



Minimum 60% post-consumer recycled material

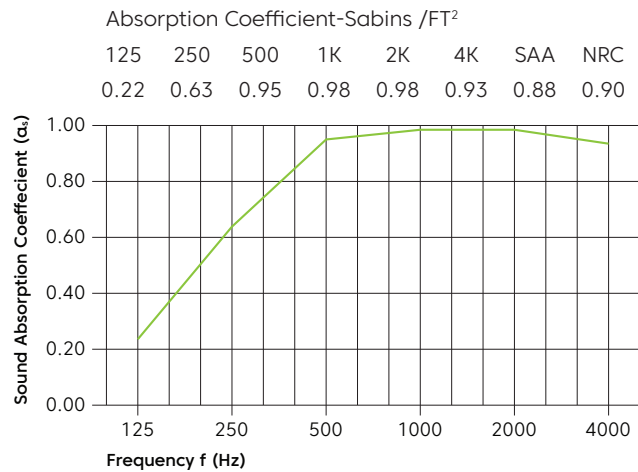


Environmental Product Declaration in accordance with ISO 14025 and EN 15804

Acoustic Performance

Noise Reduction Coefficient SAA/NRC 0.90

ASTM C 423-09a, Standard Test Method for Sound Absorption Coefficients measured by the reverberation room method.



Reaction to Fire

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

Class : A

Results Test Specimen	Flame Spread Index	Smoke Developed Index
Fiber-Reinforced Cement Board, Grade II Red Oak Flooring Heptane, (HPLC) Grade	0-100	0-450
Test # RTL0772-1 ID:V1.7_10-22-2021	25	400

Classification

Class A 0-25 Flame Spread Index 0-450 Smoke Developed Index
 Class B 26-75 Flame Spread Index 0-450 Smoke Developed Index
 Class C 76-200 Flame Spread Index 0-450 Smoke Developed Index

Moisture content

ASTM D629-99 (TEST METHOD)

Standard test methods for quantitative analysis of textiles test parameters - Moisture content test result

0.15%

Color Fastness to Light

ISO 105-B02:1994, Textiles-Tests for colourfastness Part B02: colourfastness to artificial light : Xenon arc fading lamp 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)

Environmental

At Feltech, sustainability is at the core of our innovation. We create high-performance acoustic and thermal insulation products using recycled polyester fibers from discarded water bottles. Every square of our carpet tiles and acoustic wall panels contains post-consumer recycled polyester, helping to reduce waste and support a circular economy.

With up to 60% recycled content, our products exceed USGBC LEED MR credit 4.1 & 4.2 targets for recycled materials. By choosing Feltech, you're not only enhancing your space with superior acoustic solutions but also contributing to a cleaner, more sustainable environment while potentially earning LEED points for your project.



EPD

"Global GreenTag ensures environmental transparency with ISO-Compliant Environmental Product Declarations (EPDs)"

<https://www.globalgreentag.com/manufacturer-feltech-manufacturing.html>



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.

https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=47731



CE marking

CE-marked for compliance with European safety, health, and environmental standards, ensuring quality and reliability.



ISO 14001

Environmental Management

Certified to ISO 14001, ensuring adherence to international environmental management standards for sustainable and responsible manufacturing



Declare.

LBC Red List Free; building product is completely free of all toxic chemicals and materials banned under the Living Building Challenge (LBC).

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 unique environments for homes and 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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