acoupanel®
acoustic wall & ceiling

Printed

Product detail

Product Name	acoupanel® Printed (APD12)
Product Category	Wall and ceiling
Material	100% Polyester fibers with > 60% recycled content
Weight	2,400 gram / sq.m +/-
Density	200 kgs / Cubic.m +/-
Thickness	12 mm +/-10%
Size	1,220 mm x 2,800 mm

Performance

Sound Absorption	NRC 0.45 with no air gap, ISO 354
Color Fastness to Light	> 6, ISO 105 B02-1994
Reaction to Fire	EN 13501-1, Class B-s1,d0
Indoor Air Quality	Low VOCs emission, formaldehyde and Phenol-free
Moisture Content	< 0.10% by weight

Design/Pattern

Bring your vision to life with Acoupanel! Your images and designs can be printed directly onto one or multiple panels, creating unique statements without compromising noise reduction performance.

Installation

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

Sustainability

100% recyclable at the end of its useful life

Certified Low VOCs, Clean Indoor Air Quality

No Red list chemicals, Formaldehyde & phenol free

"Produced using 40% solar energy for a more sustainable future."

120 550 ml

Minimum 60% post-consumer recycled material

(EPD)

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

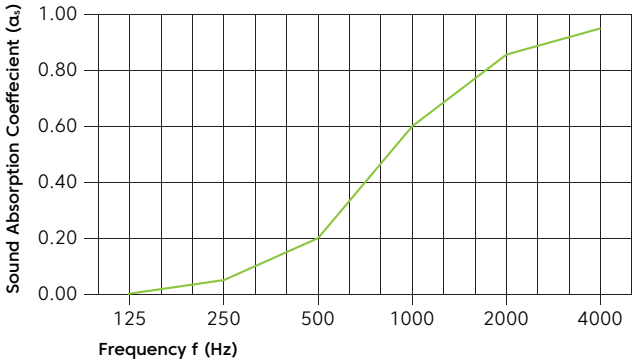
Feltech
info@feltech.co.th
Line@feltech

Acoustic Performance

Noise Reduction Coefficient SAA/NRC 0.40
ASTM C 423-09a, Standard Test Method for Sound Absorption Coefficients measured by the reverberation room method.

Absorption Coefficient-Sabins /FT²

125	250	500	1K	2K	4K	SAA	NRC
0.06	0.02	0.23	0.61	0.89	0.95	0.43	0.45



Reaction to Fire

(1) BS EN 13501-1:2018/Fire classification of construction products and building elements. Classification using data from reaction to fire tests

Classification : B-s1,d0

Definition

Grade
B, Combustible materials : Very limited contibution to fire

Smoke Propagation
s1,Little smoke

Flaming Droplets
d0, Produces drops or particles

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)

Moisture content

ASTM D629-99 (TEST METHOD)
Standard test methods for quantitative analysis of textiles test parameters - Moisture content test result

0.09%

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

Feltech
acoustic solution

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

Contact

+66 02 240 3041
line@feltech, FB/IG : feltech.acoustic
info@feltech.co.th
www.feltech.co.th

Marketing document Updated : February 07, 2025