



Product detail

Product Name	acoupanel® (AP12) Solid
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	200 mm x 1,400 mm 200 mm x 2,800 mm

Performance

Sound Transmission Class	STC 5, ISO 717 Part 1
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

Available Colors

52 Colors Available

Installation

> Installation with specific equipment by the manufacturer

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."



Minimum 60% post-consumer recycled material

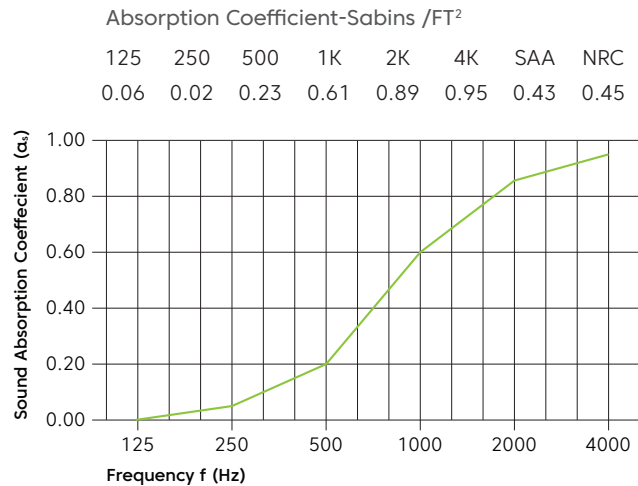


Environmental Product Declaration in accordance with ISO 14025 and EN 15804

Acoustic Performance

Noise Reduction Coefficient SAA/NRC 0.45

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



Reaction to Fire

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 contribution to fire

Smoke Propagation

s1, Little smoke

Flaming Droplets

d0, Produces drops or particles

Moisture content

ASTM D629-99 (TEST METHOD)

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

0.09%

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

Very poor lightfastness

Poor lightfastness

Fair lightfastness

Very good lightfastness

Excellent lightfastness

Blue Wool Scale

1

2-3

4-5

6

7-8

Remark(s) - Test apparatus : Atlas Xenon ARC weather-ometer model Ci3000+
- Blue wool 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>

Contact

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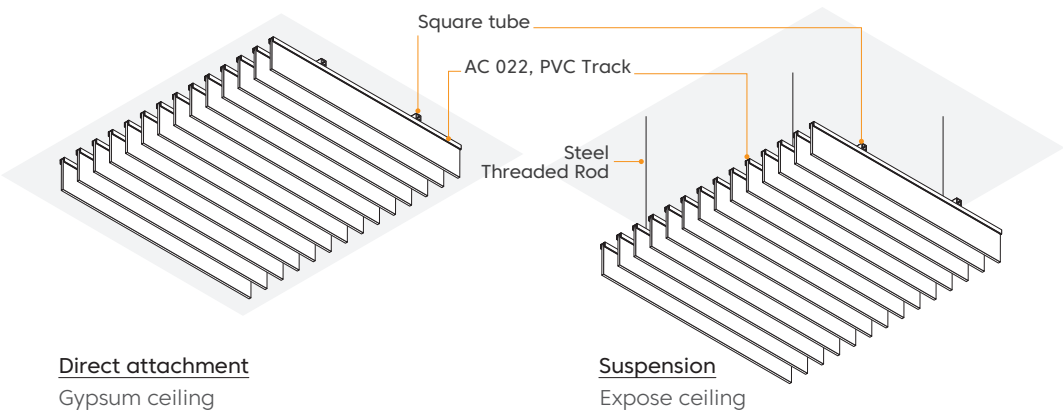
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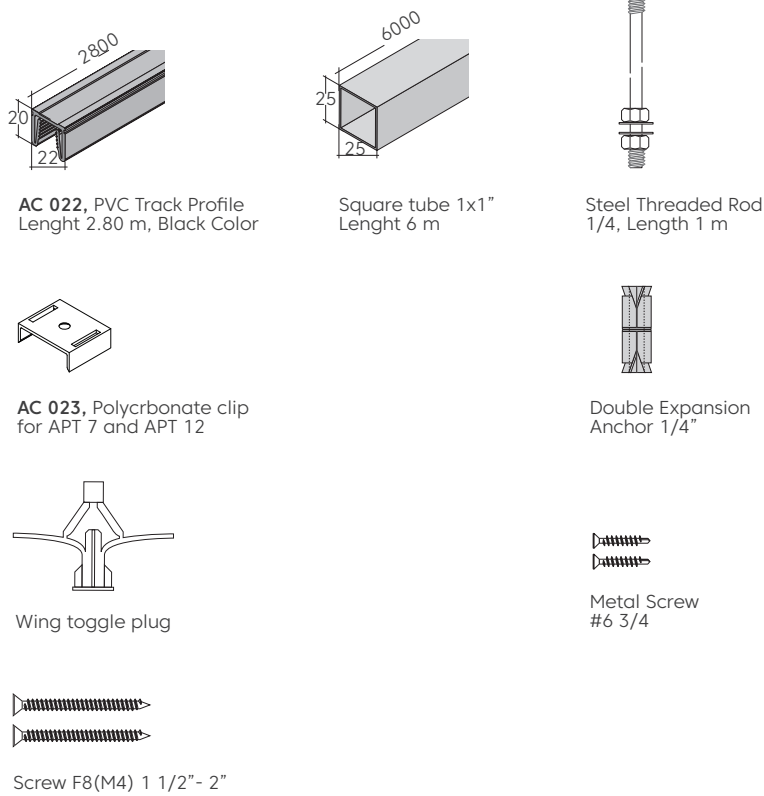
w.feltech.co.th



Fittings :Installation :



Fittings :



Shape option :

