Specification Guide

A lightweight but semi-rigid panel made from compressed polyester felt that has endless design flexibility.

In standard panel sizes with options of 12mm or 24mm thicknesses, Cube™ works hard to reduce reverberation and control background chatter.



In everything we do

CARBON NEUTRAL

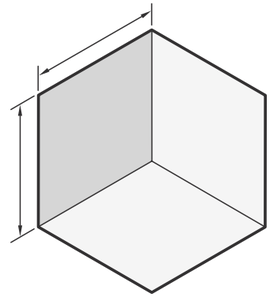
Autex Acoustics®

Cube™ Acoustic Panel

Path to Specification

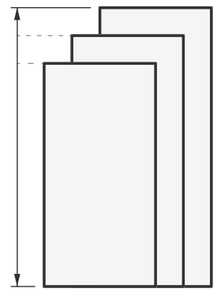
1. Space

What are the dimensions of the space you are designing?



2. Size

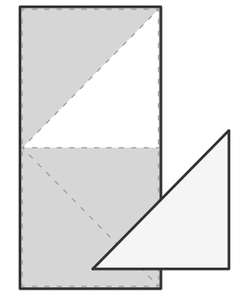
What panel dimensions are available?



Page 3

3. Custom Cutting

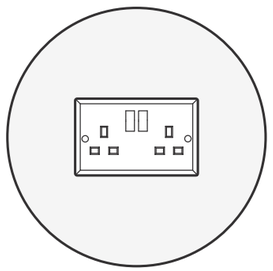
What are the possibilities of custom cutting?



Page 4

4. Detail Considerations

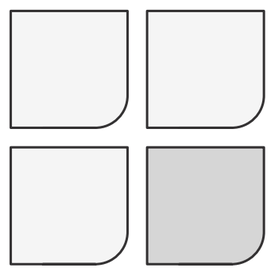
What install details should you consider?



Page 5

5. Colours and Finishes

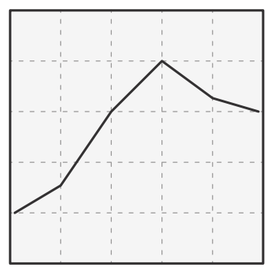
What colours and finishes are available?



Page 6-11

6. Technical Information

What are the technical specifications?



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Contents

Quick Reference

Panel Dimensions

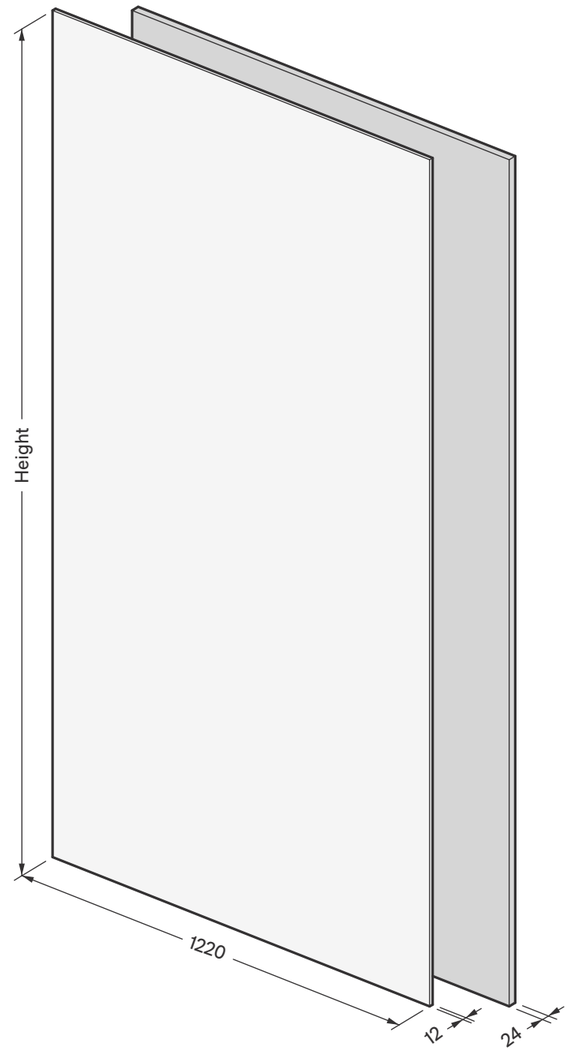
Width	1220mm
Height	Standard: 2440mm, 2740mm Max: <3600mm (MOQs apply)
Thickness	12mm, 24mm

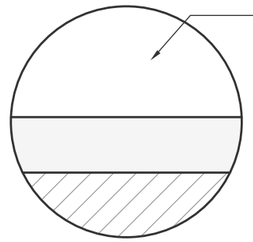
Please contact your Autex Acoustics® account manager for more information

Connection

SpinFix™	Adhesive-free installation available with SpinFix™ (supplied by Autex Acoustics)
Adhesive	Panels can be installed with appropriate adhesive (supplied by contractor)

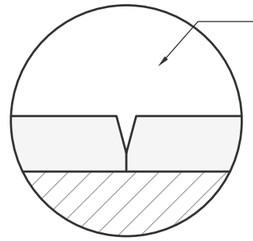
See Product Installation Guide for further details





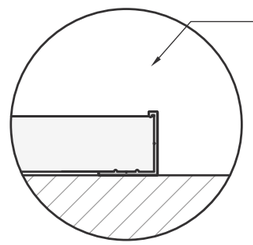
Cube colour carries through the entire material section

Cube™ Colour



When butt-joining, we recommend bevelled edges for clean install

Bevelled Edge



Panel edges can be treated with trims, see Edging Solutions Guide for further details

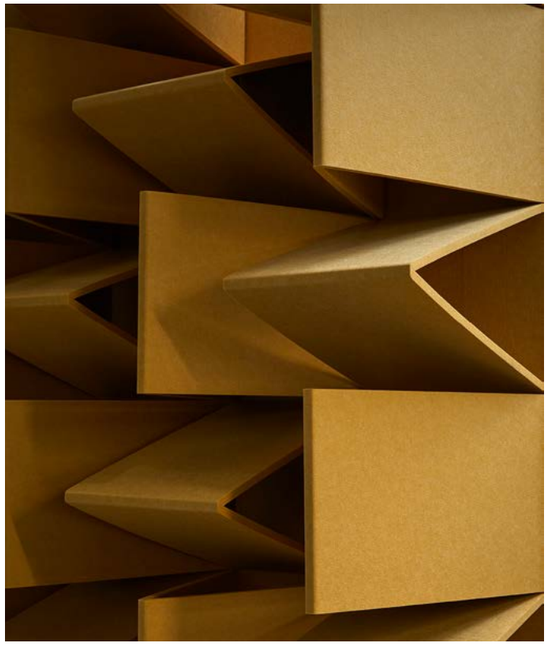
Trim

Custom Cutting

- Cube panels can be cut into a range of basic shapes to add variety to your install
- Inlays are a great way of adding complexity with simple forms and execution

Contact your Autex Acoustics account manager for more information.







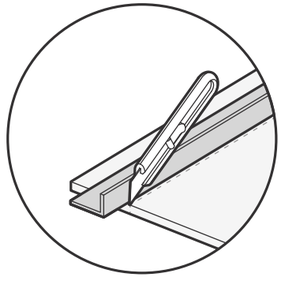




Detail Considerations

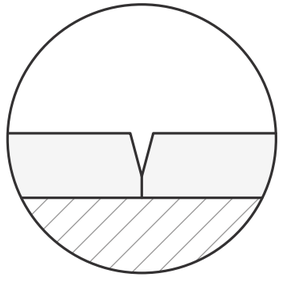
Cutting Panels

Cube Acoustic Panel can be cut on-site if required. We recommend using a snap blade knife and straight edge.



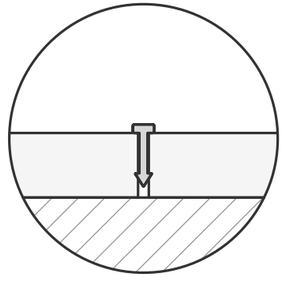
Butt Join and Bevels

If panels are to be installed butt-joined, we recommend a bevelled edge as standard to conceal any surface irregularities.



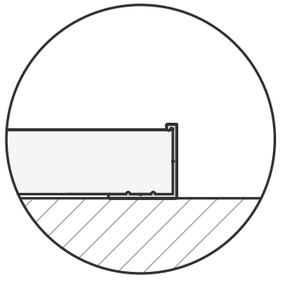
Butt Joins and Trims

If panel edges are untreated, joins between panels should be detailed with a Tee Joiner. Please refer to Edging Solutions Product Guide for further details.



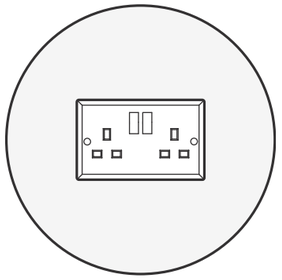
Edge Trims

Edge trims can be installed around the panel perimeter. Please refer to the Edging Solutions Product Guide for further details.



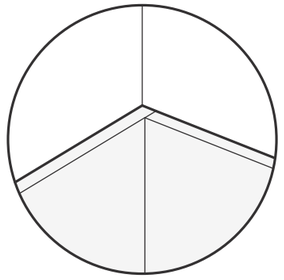
Power Outlets and Light Switches

Measure and cut out where the outlet would sit on the panel. Apply the panel to the substrate and secure the outlet through the panel.



Internal Corners

We recommend a simple lap-join for internal corners.



For further installation details, please refer to the Cube Acoustic Panel Installation Guide.

Colours

Cube™ Colours

Cube Acoustic Panels are available in a diverse colour palette to suit a wide range of spaces and aesthetics.

Cube and Vertiface® crossover matches are available; see Colour Guide for further details.

Surface finishes such as Mirage™ are also available, see pages 7-10.



*Mirage finish does not translate as well on heavily marbled colours such as Colosseum, Rushmore, and Flatiron. Please contact your Autex Acoustics account manager for more information.

Surface Finishes

Stone Finishes

Our Stone finishes collection features an assortment of colours and grains that represent stones popular in modern interior design.

Selected for their timeless and refined look, these stone finishes provide a sleek aesthetic without compromising on acoustics.


Carrara

Statuario


Statuario Rose


Travertine


San Pedro


Rojo Alicante


Empress Green


Fossena

Texture Finishes

Texture finishes allow you to add character to any space while improving the occupants comfort, engagement, and help promote creativity.

For example, Canvas and Cork will create a natural feeling whilst Concrete and Oxide offer a more industrial finish.


Beige Stucco


Canvas


Rattan


Weave


Cork


Oxide


Grey Stucco


Concrete

Pattern Finishes

Welcome people into a space through the use of Pattern finishes.

Choose from intricate designs that add subtle detail to bolder options to create an impression.


Palms


Tessellate


Flax


Leaves


Dots


Ziggurat


Columns


Arches

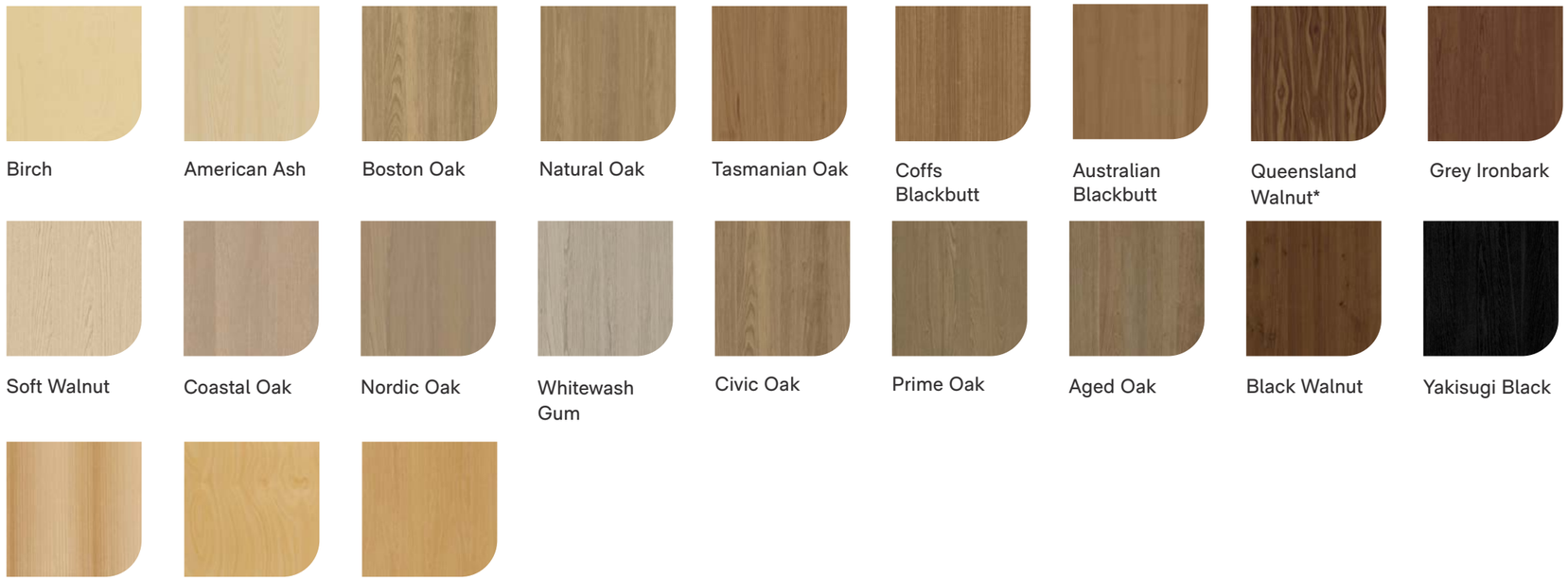
Surface Finishes

Acoustic Timber™

Acoustic Timber™ finishes are designed to realistically imitate timber.

To ensure a natural, high-end finish, we have hand-picked a selection of premium woodgrains taken from real timber veneers—digitally printed onto the panel surface with a safe, UV cured ink.

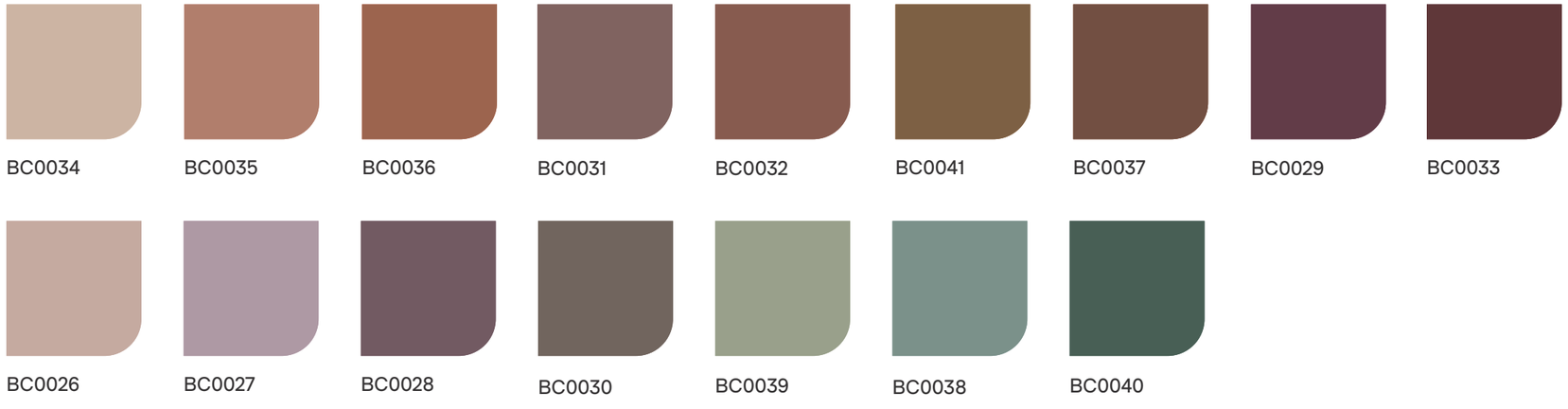
Available on panel lengths ranging from 2400mm to 2700mm with custom lengths available.



*Eucalyptus and Queensland Walnut are recommended for baffles-only applications. Please contact your Autex Acoustics account manager for more information.

Solid Colour

The Solid Colour range gives you access to colour finishes across the whole spectrum. With paint, CMYK, and Pantone matching available, you can now be as bold or as subtle as you want.



Surface Finishes

Emma Hayes

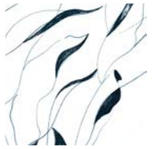
White and Coloured Core

Beautiful textiles collide with beautiful acoustics in the Autex Acoustics x Emma Hayes collection, available up to 3 metres.

Please note that white and coloured core panel edges are exposed. Edging solutions are available, contact your Autex Acoustics account manager for more information.

emma hayes


Veil
'Rose'


Vine
'Charcoal'


Nebula
'Mist'


Lakeside
'Daydream'


Modulations
'Shadow'


Sediment
'Forest'

Eos
'Blush'


Eos
'Shadow'


Dispersion 'Air'
(Opera core)


Dispersion 'Storm'
(Opera core)


Dispersion 'Dusk'
(Terrace core)


Dispersion 'Terra'
(Canyon core)

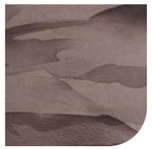

Wash 'Air'
(Opera core)


Wash 'Dusk'
(Terrace core)


Wash 'Ocean'
(Muralla core)


Wash 'Forest'
(Gherkin core)


Dune 'Air'
(Opera core)


Dune 'Dusk'
(Terrace core)

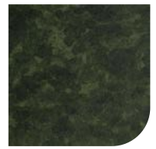

Dune 'Ocean'
(Muralla core)


Dune 'Forest'
(Gherkin core)


Colour Field
'Air'
(Opera core)


Colour Field
'Dusk'
(Terrace core)


Colour Field
'Ocean'
(Muralla core)


Colour Field
'Forest'
(Gherkin core)

Sochella

White Core

A collection pairing the best of Britain's beautiful landscapes with Autex Acoustics for a truly elegant experience.


Everygreen
Oasis


Everygreen
Olive


Everygreen
Fawn


Gardenia
Clay


Gardenia
Oat


Gardenia
Artichoke


Wisteria
Sage

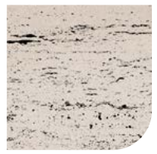

Wisteria
Almond


Wisteria
Terra

Surface Finishes

Mirage™ Textured Panels

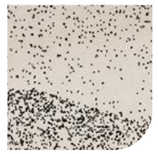
Transform your space into a tactile landscape with Mirage™, an intricately textured finish designed to create a sensory experience. The six refined designs bring depth, sophistication and a sense of movement to any interior design.



Lapis



Mortar



Rammed earth



Bouclé



Offset



Brutalist

Colour Light Reflectance Values

Cube LRVs are measured in accordance with BS 8493:2008+A1:2010

Acros	40
Beehive	33
Canyon	19
Caspian	6
Cavalier	12
Colosseum	52
Empire	5
Falling Water	34
Flatiron	24
Gherkin	8
Highland	19
Marina	36
Muralla	9
Opera	49
Park	23
Parthenon	33
Pavilion	80
Petra	16
Petronas	2
Pinnacle	3
Rushmore	41
Sargazo	4
Savoye	46
Senado	44
Terrace	24
Tree House	3



Sound Materials

We’re on a positive journey towards momentous change. It’s about winning for the planet and its people, making a difference for healthy generations to come.

Sustainability is ingrained in everything we do, from fibre to finish. Our commitment to doing good now and in the future drives us to continuously evolve our practices, design with integrity, and take responsibility for the impact of our products. Our five sustainability pillars reflect this ethos, guiding our actions and shaping our decisions. Together, these pillars form a system that ensures our materials, products, and processes contribute meaningfully to a more sustainable world.



01

Climate change demands climate action

We are carbon neutral in everything we do.

02

Closing the loop

We are advocates for closing the loop on waste. We design with circularity front of mind.

03

Sustainable supply chain

We carefully select responsible suppliers and take action to mitigate unethical practices, and encourage good working conditions.

04

Supporting wellbeing in buildings

All our products are made using only safe materials. No harmful chemicals are present in our products.

05

Operating a business for purpose and profit

We strive to have a positive impact on our environment, our people, and the next generation.

Credentials

Sustainability isn’t just a feature—it’s a foundation. Our products are independently certified by trusted third-party certifications and labels to meet rigorous environmental and performance standards.

Our products also meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project.

EN 15804 COMPLIANT EPD Global GreenTag

GREENTAG CERTIFIED trustbrands

Declare.

CERTIFIED INDOOR AIR QUALITY SCS GLOBAL SERVICES

hpdc MEMBER

Third Party Verified

Telarc. Registered cert TM Environment ISO 14001

Telarc. Registered cert TM Quality ISO 9001

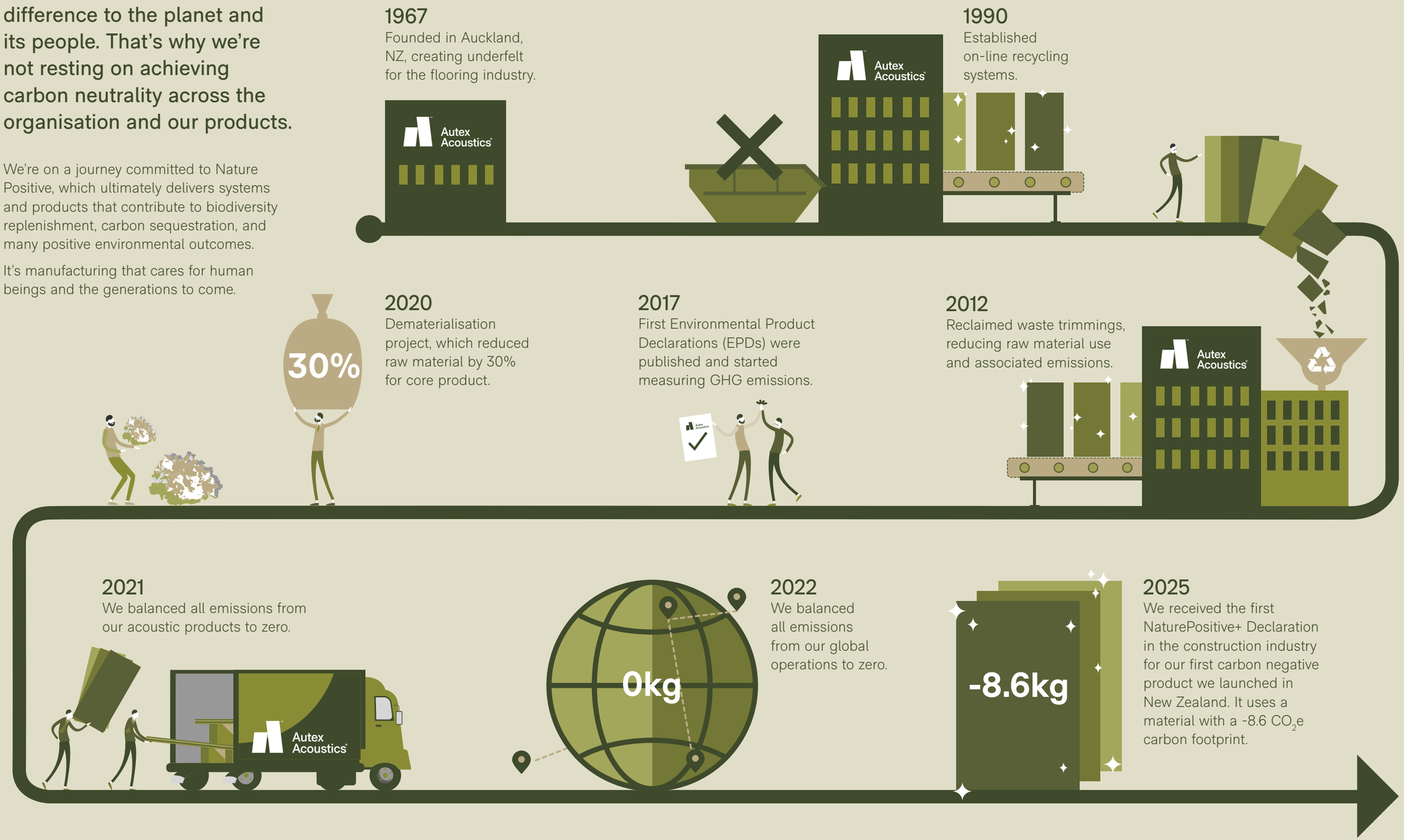
Telarc. Registered cert TM Health & Safety ISO 45001

Our Journey to Nature Positive

We want to make a material difference to the planet and its people. That's why we're not resting on achieving carbon neutrality across the organisation and our products.

We're on a journey committed to Nature Positive, which ultimately delivers systems and products that contribute to biodiversity replenishment, carbon sequestration, and many positive environmental outcomes.

It's manufacturing that cares for human beings and the generations to come.



1967
Founded in Auckland, NZ, creating underfelt for the flooring industry.

1990
Established on-line recycling systems.

2012
Reclaimed waste trimmings, reducing raw material use and associated emissions.

2017
First Environmental Product Declarations (EPDs) were published and started measuring GHG emissions.

2020
Dematerialisation project, which reduced raw material by 30% for core product.

2021
We balanced all emissions from our acoustic products to zero.

2022
We balanced all emissions from our global operations to zero.

2025
We received the first NaturePositive+ Declaration in the construction industry for our first carbon negative product we launched in New Zealand. It uses a material with a -8.6 CO_2e carbon footprint.

Technical Information

Overview

NRC	**0.45 - 0.80**
Content	100% PET, min. 80% recycled
Form	Panel
Dimensions	1220mm x 2440mm, 1220mm x 2740mm 1220mm x <3600mm
Thickness	12mm, 24mm
Origin	Made in Britain

Fire Considerations

BS EN 13501-1: 2018
Classification: Cube 12mm B-s1, d0 Cube 24mm B-s2, d0

Fire test reports available on request.

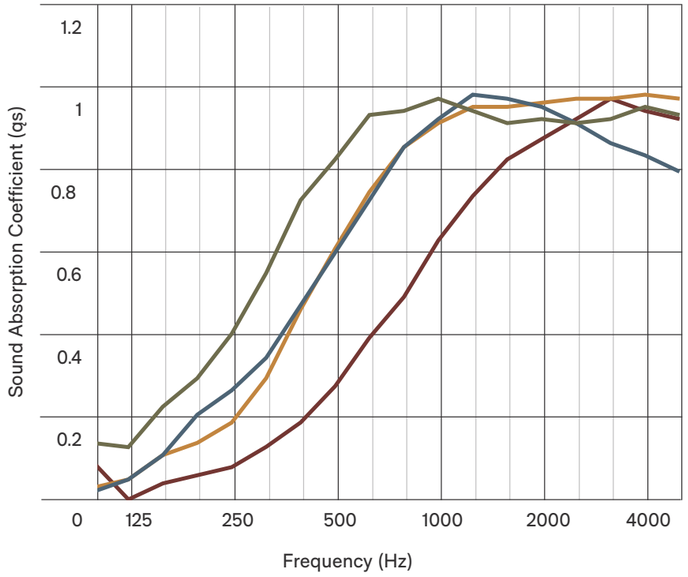
Ten Year Manufacturer's Guarantee

Acoustic Performance

Cube Acoustic Panels are specifically designed to reduce and control reverberation and echo noise in building interiors.

Practical Sound Absorption Coefficients

	Frequency (Hz)	125	250	500	1000	2000	4000	NRC
●	12mm Cube	0.05	0.10	0.30	0.65	0.90	0.95	0.45
●	12mm Cube (with 25mm air gap)	0.05	0.30	0.60	0.95	0.95	0.85	0.70
●	24mm Cube	0.05	0.20	0.60	0.90	1.00	1.00	0.70
●	24mm Cube (with 25mm air gap)	0.15	0.40	0.85	0.95	0.95	0.95	0.80



Product Specifications

Hard body impact There is no surface damage or penetration when subjected to hard body impacts. When adhered to 10mm plasterboard, the system can resist a 9 joule impact.

Soft body impact There is no surface damage or penetration when subjected to soft body impacts. When adhered to 10mm plasterboard, the system can resist a 70 joule impact.

Microbial resistance (ASTM G21-15):
Growth rating: 0

Colour fastness to light (ISO 105-B02:2014):
Rating: 6

Determination of colourfastness to rubbing (ISO 105-X12:2016):
Dry assessment: 4 - 5
Wet assessment: 4 - 5

Average % of water vapour sorption by weight after four days: 0.4%

For care and maintenance guidance, refer to the Autex Acoustics Care and Maintenance Guide.