Frontier™

Pushing the boundaries of acoustic design

Comprised of linear, almost skeletal elements, the modular Frontier™ system congregates to form undulating sculptures and rhythmic slatted features. Available in two variations—Fins and Raft—the Frontier system is designed to communicate with interior spaces via an adjustable channel and clip system—giving you complete control over the height, spacing, and placement of each individual component. Lightweight yet solid in appearance, Frontier Acoustic Fins and Raft are made from 100% polyester fibre and cut to form elegant 2D and 3D shapes. Frontier is designed to be 'tuned' to interior spaces, offering tailored acoustic absorption across a wide range of frequencies.

To find out more about Frontier
visit **www.autexglobal.com**

● Frontier Acoustic Raft Beam 100
in Savoye and Flatiron

● Headingley Stadium,
United Kingdom

Autex
Acoustics®

Features and benefits

- Delivers excellent acoustic performance
- Available in 23 colours and nine styles
- Formed by just three elements, Frontier is installed quickly and efficiently, saving time on site
- Easy to uninstall and relocate
- Can be 'tuned' to any space
- Constructed without adhesives

Applications

- Decorative, high-performance acoustic treatment for interior spaces
- Can be direct fixed or suspended from ceilings and walls

● Frontier Acoustic Raft Blade in Pavilion

● Cronulla RSL, Australia

Autex Acoustics®

The Autex Acoustics® sustainability pillars

Our sustainability strategy provides the foundation and direction for our sustainability mission and goals. Our sustainability strategy is split into five pillars.

Climate change - We aim to maintain our position as a net-zero carbon organisation and offer carbon neutral products. Autex Acoustics began carbon accounting in 2017 and we continue to measure and monitor our GHG emissions which help inform carbon reduction initiatives. Remaining carbon emissions are mitigated using certified carbon credits.

Purpose and profit - Our goal is to positively impact our environment, our people, and the next generation. Autex Acoustics has committed a fund to support restorative social and environmental programmes.

Closing the loop - We aim to increase the uptake of product stewardship in the construction industry and expand our product takeback schemes to help build a more circular economy. We avoid waste through reducing material inputs to our products and designing for reuse/disassembly. We reuse waste from our manufacturing operations to make more product. We incorporate recycled PET waste into new product and use recyclable cardboard as packaging.

Wellbeing - We aim to ensure all current and future Autex Acoustics products avoid harmful chemicals. Our products are simple and designed without any toxic ingredients to support human and environmental health. Autex Acoustics products have a profound impact on the acoustic environment of building interiors and wellbeing of occupants.

Supply chain - We aim to eliminate any unethical practices in our supply chain to encourage good working conditions throughout our supplier network. Autex Acoustics carefully selects the best suppliers to ensure we deliver quality products that have a responsible social and environmental track record. As an organisation that relies on a global supply chain, we recognise the pressing—and ongoing—need to eliminate unethical practices within our own supply chain, particularly with regards to modern slavery.

How we're fighting climate change

The climate crisis is the biggest issue of our generation. As a product designer and manufacturer, we have an opportunity to help improve the carbon impact of our industry.

Our operational carbon emissions

We are a carbon neutral business. We actively monitor the carbon emissions of our entire operation to better understand our carbon footprint and how we can further reduce emissions. We have an internal strategy to reduce our carbon emissions and have successfully delivered a number of carbon reduction initiatives within our operations. Any carbon emissions that are currently unavoidable are offset through certified carbon credits. We have a commitment to purchase only verified carbon credits that are retired on robust registers to ensure we are driving positive change.

Key business activities contributing to our operational emissions

Transport and distribution

Business travel

Energy used

Waste generated

Company vehicles
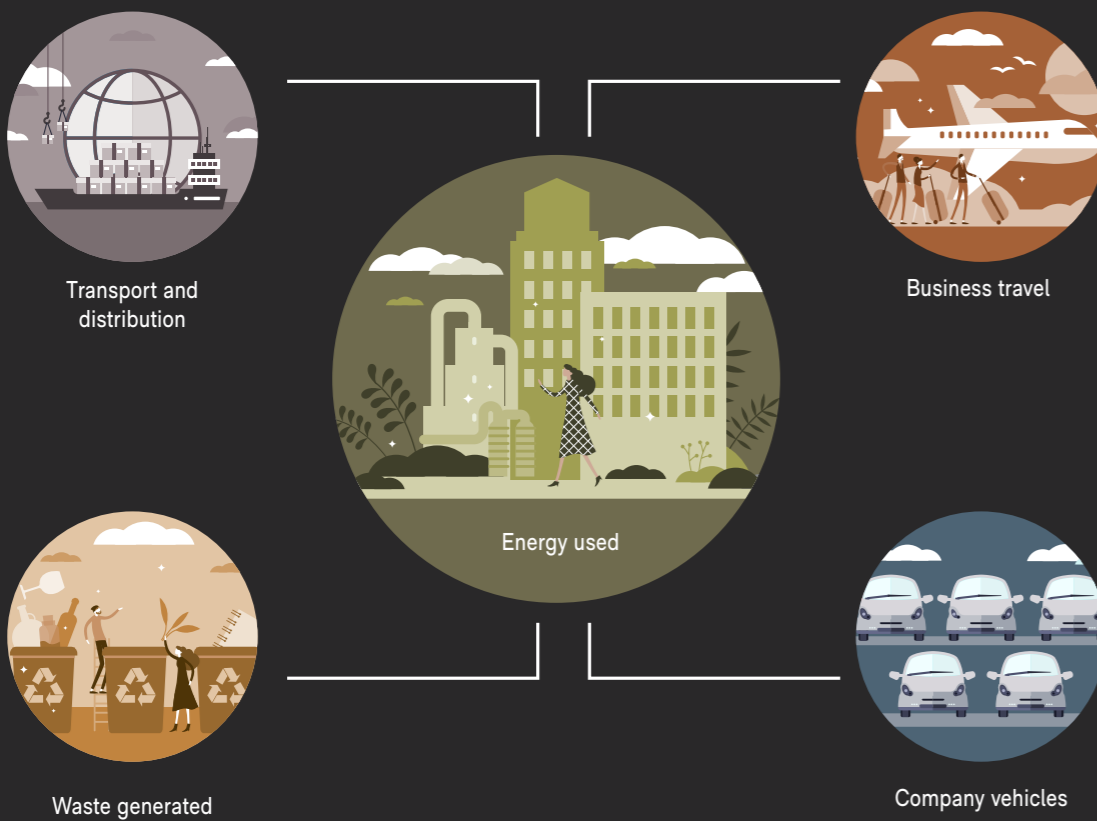
Embodied carbon of our products

Our products are carbon neutral, and we are the first business in our industry to include the cost of carbon in our products. We consider this an investment in present and future generations, and simply a cost of doing business. We calculate the embodied carbon of our products, from the raw material to the manufacturing gate, using industry recognised ISO standards. We have reduced the carbon footprint of our products through smart design and efficient manufacturing. While the embodied carbon of our products is low, they still do have a carbon impact. We mitigate this through our Carbon Neutral Product Initiative by offsetting the equivalent emissions using certified carbon credits. These carbon credits are generated from projects focused on renewable energy, fuel switching and reforestation around the world.

Key activities contributing to the embodied carbon of our products

Recycled PET bottles

Virgin PET

VIRGIN PET

VIRGIN PET

Polyester fibre manufacture

Fibre is made into Autex Acoustics® products

Distribution of raw fibre

Autex Acoustics® products are packaged and dispatched
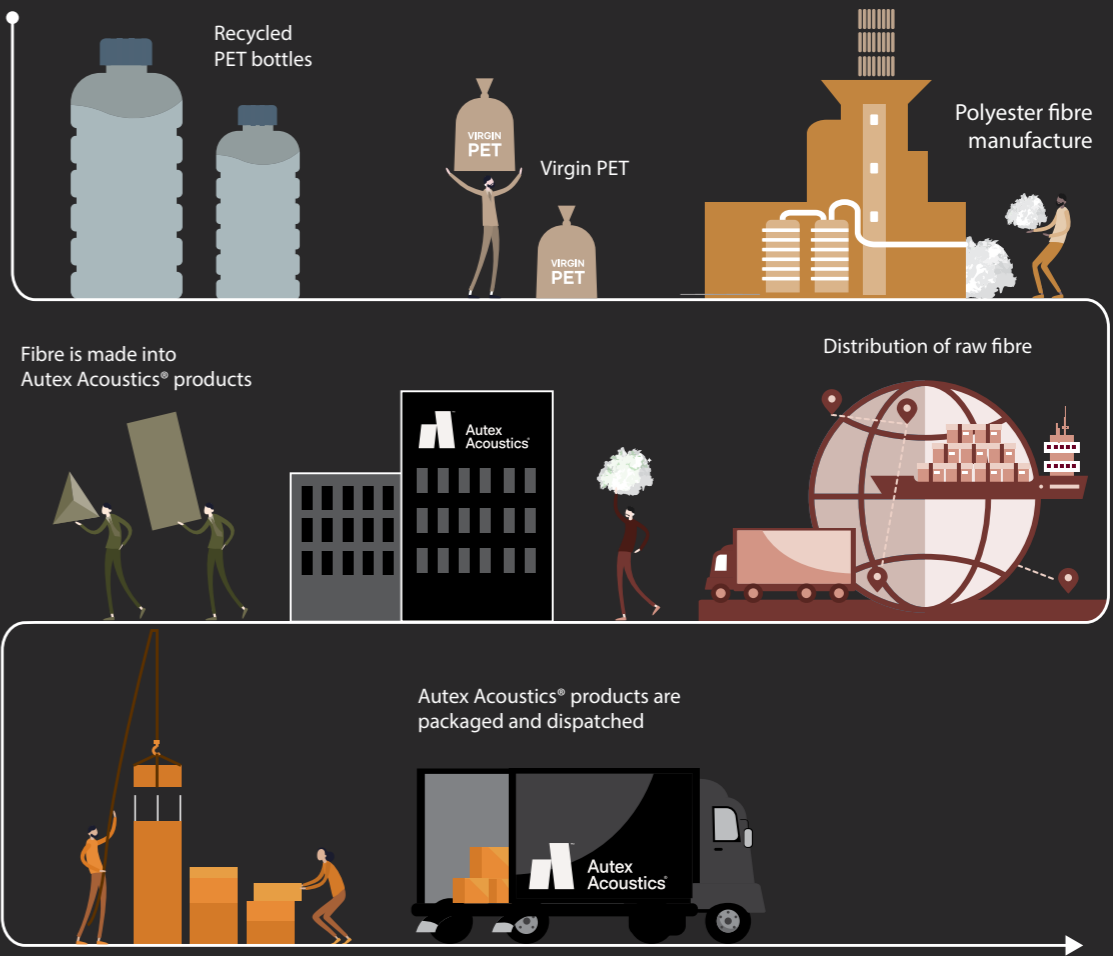
Frontier™ Acoustic Raft

Solid in appearance, yet hollow in the centre, Frontier Acoustic Raft is a three-dimensional variation of the Frontier system. With four geometric forms, Raft is scored, folded, and 'zipped' together using a locking channel to create a series of modular acoustic beams.

Raft's geometric shapes are designed with both aesthetics and acoustic performance in mind. Made from compressed, needle-punched, polyester fibre, the compact outer shell absorbs higher frequencies, while the combination of the air within the hollow centre, and the three-dimensional form, effectively absorbs lower frequencies.

Modular in nature, the unique channel and clip system allows for complete control over the application of each individual component—giving you the freedom to mould the system to the contours and requirements of your space.

Patent
Panel Fixing System Patent
US Patent 10,113,312 | AU Patent 2016250499 |
GB Patent 2,545,789 | NZ Patent app 725770

To find out more about Frontier
visit **www.autexglobal.com**

- Frontier Acoustic Raft Beam 100 in Petronas
- QB Studios, New Zealand

Autex Acoustics®

Frontier Acoustic Raft Blade
in Pavilion

● Cronulla RSL,
Australia
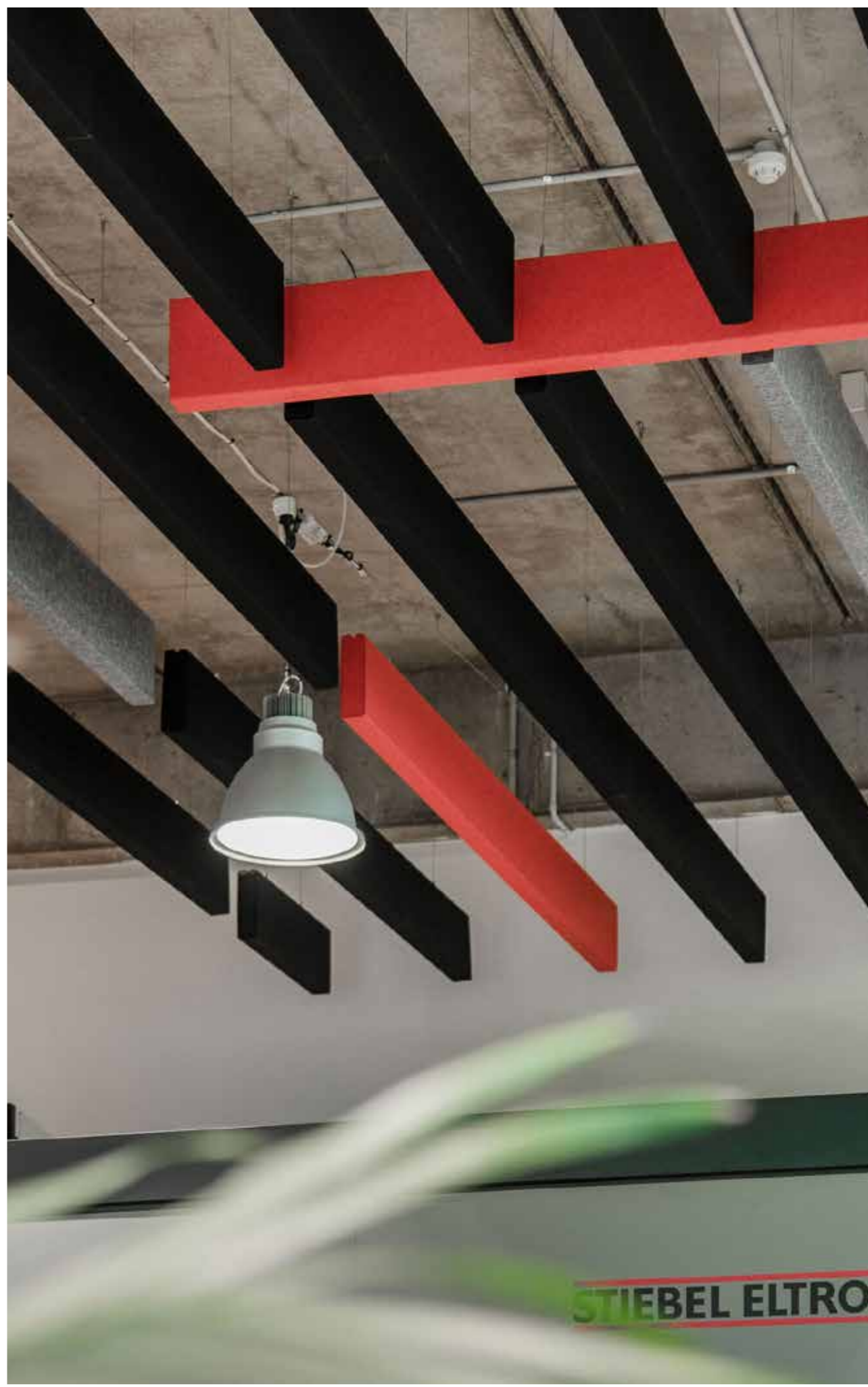
STIEBEL ELTRO

Frontier Acoustic Raft Beam 250
in Petronas, Herald and Ironbank

● Stiebel Eltron Showroom,
Australia

Design options

Blade
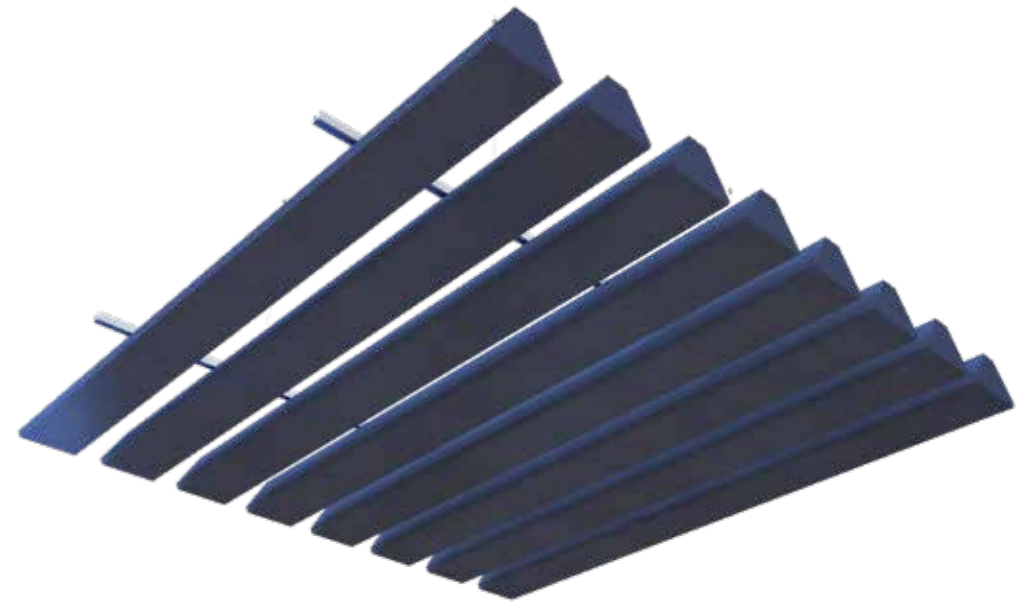
Trapezoid

Design options
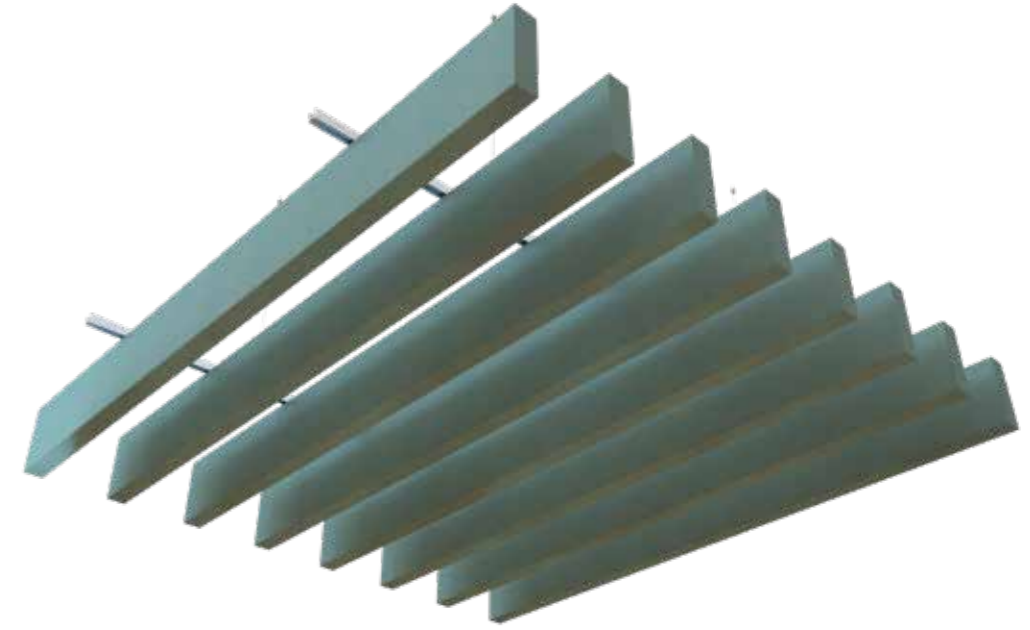
Beam 250

Beam 100

Frontier™ Acoustic Fins

Elegant and refined, Frontier Acoustic Fins offer excellent acoustic absorption with sleek, gentle form—at once a design feature and a functional necessity. Lightweight and semi-rigid, Fins are available in five standard designs with 12 mm and 24 mm thicknesses.

Patent
Panel Fixing System Patent
US Patent 10,113,312 | AU Patent 2016250499 |
GB Patent 2,545,789 | NZ Patent app 725770

To find out more about Frontier
visit www.autexglobal.com

Frontier Acoustic Fins
in Empire

The Waverley Brewhouse,
Australia

Autex
Acoustics®

Design options

Tundra

Dune

Sierra

* Images shown are two packs.

Design options

Talus

Axis (12 mm only)

*Images shown are two packs.

Taunton College,
United Kingdom

Frontier Acoustic Fins Tundra
in Empire

Te Hono - New Plymouth Airport,
New Zealand

Custom Frontier Acoustic Fins
in Pavilion

Frontier™

The system

Increase productivity on-site, saving installation time and material costs.
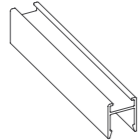
Autex Frontier Extrusions
Multiuse aluminium channels, along with a system of components, act as a support for Acoustic Fins or Raft allowing for easy installation and adjustments on site.
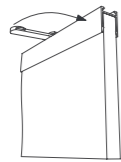
Autex Mounting Clips
The exclusive Frontier connector clip 'clicks' in place to enable Fins or Raft to be attached directly to the ceiling channel, leaving no exposed fasteners or adhesives.
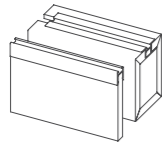
Choose Acoustic Fin or Raft styles
Enjoy the freedom to create new and interesting ceiling and wall features with Fins or Raft. Choose Fins for simple and stylish arrangements, or Raft to add dimensional shape and volume.
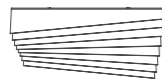
Arrangement versatility
Arrange Fins or Raft in countless configurations.
Install in standard or custom sequences, or bring your vision to life working side-by-side with Autex Acoustics in-house acoustic design experts and account managers.
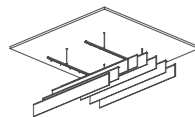
Easy assembly
Frontier is assembled quickly and efficiently, saving time on site. A modular system, Frontier can move with your space—easy to uninstall and relocate as required.
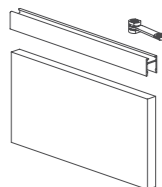
A semi-permanent system
Frontier uses no adhesives. Each component can be removed quickly at the end of life, minimising negative impacts on the environment at the time of disposal.
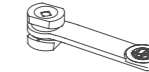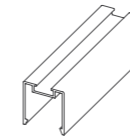
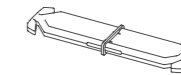# Frontier™

The system components

Pack components

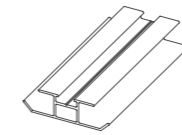**RAFNEX**
Frontier 12 mm Extrusion

RAFTCC
Autex Mounting Clip
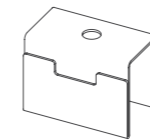
RAFNEX24
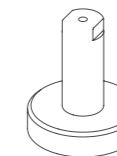Frontier 24 mm Extrusion

RAFCCT
Autex Frontier
Channel Connector
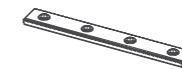
RAFNEXRT
Frontier Raft Extrusion
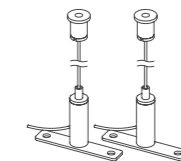
Accessories

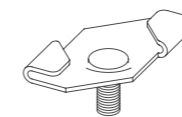**RAFWCP**
Autex Removable W-CLip

RAFM6MP
Velda Magnet Pot with
M6 Thread and Cable Adaptor

RAFHDCC
Autex Heavy Duty Frontier
Channel Connector with
4x M5 Grub Screws

RAHVAS
Autex Adjustable
Suspension Set - Channel

RAFM6GC
Velda Grid Connector
with M6 Thread

Taronga Zoo,
Australia

Environmental certifications

Certifying your green building

Autex Acoustics products meet criteria for WELL, LEED, Green Star, and BREEAM building rating systems, helping you achieve certification for your project. For support and guidance on available rating system points please visit www.autexglobal.com, or speak with your Autex Acoustics account manager.

Environmental Product Declaration
An Environmental Product Declaration (EPD) is a document that communicates information about the life-cycle environmental impact of a product, including embodied carbon. Our EPDs are created and verified in accordance with ISO 14025 and ISO 15804, used for construction products and services.

GreenRate – Level A
GreenRate is a multi-attribute environmental certification that scores products on a range of environmental, health, and social measures. Autex Acoustics products are certified to achieve GreenRate Level A. Level A is the highest GreenRate level and demonstrates the highest level of product sustainability.

Declare – International Living Future Institute
The ingredients in our products have been reviewed against the Living Future Challenge Red List and achieve a Third-Party Verified 'Red List Free' status.

Products achieve the highest 'LBC Red List Free' status when:
• Ingredients are 100% disclosed and are not found in the Red List
• Products are shown to meet VOC emissions limits

We assure the accuracy of our certifications by having our Declare labels independently verified by a third party expert.

Heath Product Declaration
A Health Product Declaration (HPD) is a document that reports the ingredients of a product and the health effects associated with these ingredients. A Health Product Declaration has been generated for each of our products.

CDPH Standard
CDPH Standard Method (CA Section 01350) is a widely used standard to evaluate building products for low volatile organic chemicals (VOC) and formaldehyde emissions. All Autex Acoustics products meet the limits set by CDPH and the LEED building rating scheme.

ISO Certifications
ISO 14001 – Environmental Management
Autex Acoustics manufactures under environmental management processes that are ISO certified. This certification gives assurance that we manage any environmental impacts within our operations.

ISO 9001 – Quality Management
Autex Acoustics has a strict quality management system that is ISO certified. Robust quality processes from raw material through to product release help ensure our products meet expectations.

ISO 45001 – Health and Safety Management
Autex Acoustics manufacturing operations have an ISO 45001 certified Health and Safety Management System to ensure the safety and wellbeing of our people.

● Autex Industries Ltd

702-718 Rosebank Rd
Private Bag 19988
Avondale 1746, Auckland
New Zealand
Freephone 0800 428 839
Phone +64 9 828 9179
Fax +64 9 828 5810

● Autex Australia Pty Ltd

166 Bamfield Road
PO Box 5099
West Heidelberg, Melbourne
VIC 3081, Australia
Freephone 1800 678 160
Phone +61 3 9457 6700
Fax +61 3 9457 1020

● Autex Acoustics Ltd

Unit J4, Lowfields Way,
Lowfields Business Park,
Elland, West Yorkshire
Hx5 9Da
United Kingdom
Phone +44 0 1422418899

● Autex Acoustics LLC

1630 Dan Kipper Dr,
Riverside, CA 92507
United States of America
Phone +1 424 203 1813