



In everything we do



## Embodied Carbon Declaration

**As a designer and manufacturer with a 50-year history, we are proud to have achieved carbon neutrality across all our acoustic products and global operations. We are committed to maintaining our position as an industry leader in sustainability and ensuring our products positively impact our environment, our people, and the next generation.**

**Mark Robinson**, Executive Chairman Autex Acoustics Group

### Carbon neutral products

We have reduced the carbon footprint of our products through smart design and efficient manufacturing. Through our carbon neutral process, we mitigate their carbon impact by offsetting the equivalent emissions using certified carbon credits, making our products entirely carbon neutral. These carbon credits are generated from projects focused on renewable energy, fuel switching, and reforestation around the world.

We only support robust, verifiable carbon credits and our calculations are independently verified by third-party carbon experts. All products have readily available Environmental Product Declarations (EPDs) which account for carbon offsetting in accordance with EPD standards EN 15804 ISO 14025 and ISO 21930.

### Embodied carbon

Total CO<sub>2</sub>-e emissions with carbon offsets and excluding offsets per kg of product.

Products	CO <sub>2</sub> -e/kg product	CO <sub>2</sub> -e/kg product excluding offsets
Cube™, Cascade™, Cove™, Lattice™, Loch™, Vicinity™, Accent Ceiling Tiles and Grid Ceiling Tiles	0.00	1.89
Quietspace® Panel and APA	0.00	3.53
3D Tiles	0.00	1.87
3D Ceiling Tiles	0.00	1.90
Workstation	0.00	2.14
Symphony® and Sordino®	0.00	2.95
Composition®	0.00	2.14
Vertiface®	0.00	1.89

*The amount of embodied carbon varies significantly between different materials. For context, the embodied carbon of a nylon carpet tile ranges between 10.7 - 19.7 kg CO<sub>2</sub> e/kg and water-based paint is 2.9 kg CO<sub>2</sub> e/kg.*

## Carbon neutral products

### A step-by-step overview of how we create carbon neutral products

1

A cradle-to-gate Lifecycle Assessment (LCA) is undertaken by independent experts at the Evah Institute to assess the environmental impacts of manufacturing our products from the production of raw material to the completion of our end products.

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2

Using the LCA model, an Environmental Product Declaration (EPD) is prepared in accordance with Environmental Product Declaration standard EN 15804, the EPD standard for sustainability of construction works and services.

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3

Using embodied carbon data from the LCA and manufacturing volumes, the product emissions of all products manufactured is calculated.

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4

An equivalent amount of emissions offsets (measured in tonnes of carbon) are purchased through Certified Emission Reductions (CERs) from the United Nations. These carbon credits are retired from the registry to avoid double counting.

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5

Autex is then issued a certificate to verify the purchase and retirement of carbon credits. An additional verification check of these calculations is conducted by another third-party carbon expert, EKOS, to ensure the quality and accuracy of the calculation, including the offsetting and retiring of carbon credits.

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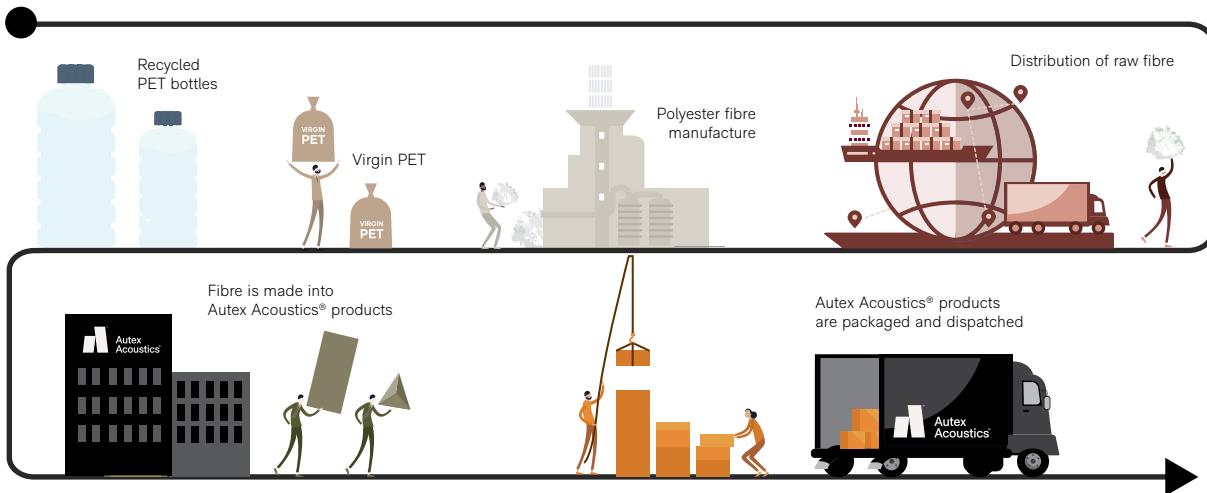
The EPD program operator, Global GreenTag, reviews the offsetting and retiring of carbon credits and publishes the embodied carbon values in the EPD.

**Our Environmental Product Declaration is freely available and presents transparent and third party verified information about the life-cycle environmental impact of our products, including their embodied carbon values and their carbon offsets.**



## Scope

Emissions are measured from cradle to gate (A1 to A3) as defined by EPD standard EN 15804, and includes: raw material acquisition, extraction, refining, and processing, plus, scrap or material reuse; electricity generated from all sources with extraction, refining and transport, plus secondary fuel energy and recovery processes; and transport and manufacture of product packaging.



## Methodology

EN 15804, ISO 14025, ISO 21930 Environmental Product Declaration.

Data was collected in accordance with EN ISO 14044:2006, 4.3.2, from primary sources including the manufacturer, suppliers and their publications on standards locations, logistics, technology, market share, management system and commitment to improved environmental performance.

## Product composition

Non-woven acoustic panels made with 98% polyethylene terephthalate (PET) fibres and 2% polyethylene (PE) and a minimum of 45% recycled content.

For more information, scan the QR codes below:



### **Autex Acoustics® Panels and Tiles** **EPD number ATX AP01 2022EP**

Cube™, Cascade™, Cove™, Lattice™, Loch™, Vicinity™, Accent Ceiling Tiles, Grid Ceiling Tiles, Quietspace® Panel, APA, 3D Tiles, 3D Ceiling Tiles and Workstation

### **Autex Acoustics® Wallcovering** **EPD number ATX AF01 2022EP**

Symphony®, Sordino®, Composition® and Vertiface®