

Supersonic Wall Panel 100R

Sustainability Specifications

CATEGORY

Acoustic Wall Panels

PRODUCED IN

Poland

ACOUSTIC PERFORMANCE

Sound absorption class A, with weighted absorption coefficient (α_w) up to 0.95 and NRC of 0.90.

MATERIALS

Frame: Circal 100R, a 100 % recycled aluminium sourced from post-consumer scrap (e.g., bicycle frames, window frames). Production requires 95 % less energy and achieves a carbon footprint below 0.5 kg CO₂e/kg, a 97 % reduction compared to the global average for aluminium.

Sound Absorber: 50 % recycled (PET) from plastic bottles from post-consumer sources in Europe.

Canvas: 100 % recycled polyester (PES) from post-consumer PET bottles.

CERTIFICATES

Third-party-verified Environmental Product Declaration (**EPD**) aligned with EN-15804, covering cradle-to-gate and end-of-life phases.

OEKO-TEX Standard 100 certified.

CLIMATE FOOT PRINT

Verified EPD/LCA example figures (A1-A3):

- 1000 x 1000 mm --> 3.88 kg CO₂e
- 1000 x 1500 mm --> 5.82 kg CO₂e
- 1000 x 2000 mm --> 7.76 kg CO₂e

ENGINEERED FOR LONGEVITY

Panels and components are bolt-on and easy to dismantle, facilitating sorting, recycling, repair, and reuse. Part replacement is simple, reducing waste and extending product lifespan.

Panels also feature an exchangeable canvas, allowing the visual design to be refreshed without replacing the entire panel. This extends the product's lifespan, adapts to changing styles or branding, and minimises waste by retaining the core structure for years of continued use.

CARE & MAINTENANCE

Care instructions available at [akuart.com](https://www.akuart.com)

WARRANTY

10 Years



The Supersonic Wall Panel 100R is a high-performance acoustic wall panel engineered with a high percentage of recycled materials and designed for complete disassembly, enabling repair, material separation, and full recyclability at end of life. It delivers Class A sound absorption, extensive format flexibility, and an interchangeable canvas within a robust aluminium frame manufactured to tight tolerances for long-term stability and precise component fit. The panel is characterised by a significantly lower carbon footprint compared to conventional aluminium-based wall panels, setting a new benchmark for low-impact acoustic design. It is optimised for professional applications in office, education, healthcare, and hospitality environments.