

Supersonic Wall Panel



AKUART

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The Supersonic Wall Panel is an exclusive range of acoustic wall panels that sets a new standard for sleek yet responsible acoustic design in office, learning, care, and hospitality environments.

It offers numerous possibilities for creating aesthetically stimulating interior designs with an extensive range of frame colors, a changeable canvas, Class A sound absorption, format flexibility, a shadow-effect frame profile, and a focus on sustainability. The panels are made with a high percentage of recycled materials, and a disassembly function allows all components to be repaired or recycled after end use.





Pinnable canvas front

Supersonic features



The changeable canvas secures a long product lifespan, as designs can be updated.



Frame shadow effect to counterbalance uneven wall surfaces

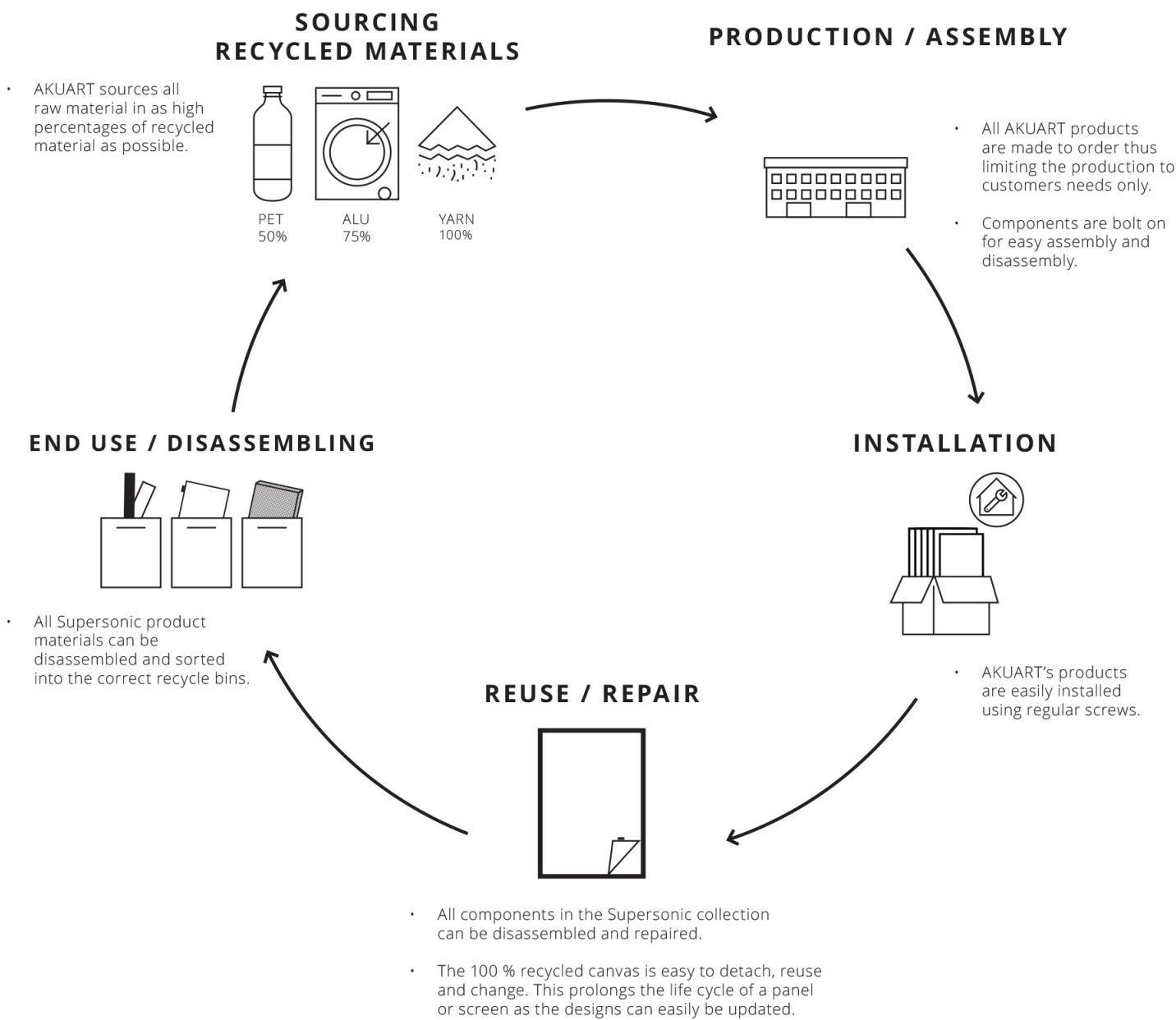


Format flexibility ensures that the Wall Panel can fit into any space.

Design for disassembly

Reduce — Reuse — Repair — Recycle — Remanufacture

The Supersonic Wall Panel is designed for disassembly to minimise waste. The components used for the wall panel have similar life spans, ensuring that it can be maintained, parts can be recycled and replaced, and finally, making disassembly and sorting uncomplicated and worthwhile.



Material transparency

The Supersonic Wall Panel has a clean and functional design made from the most sustainable components with the largest amount of recycled material available on the market.

Aluminium Frame:

Constructed from 75% upcycled aluminium scrap, which can be fully recycled after use.
A frame made from 100% recycled aluminium, known as 100R, is also available.

Canvas:

Crafted from 100% recycled polyester fibres.

Sound absorber:

Manufactured using 50% fibres sourced from



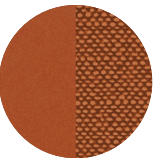
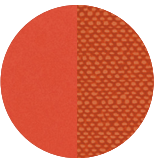
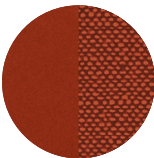
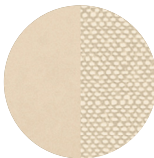
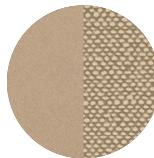
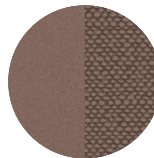
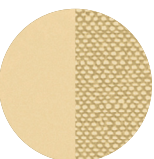
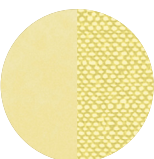
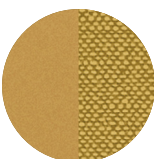
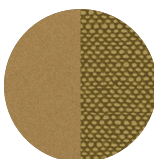
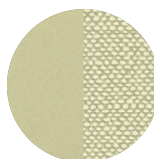
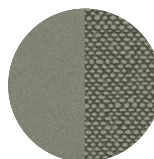
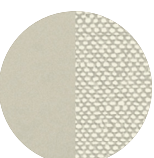
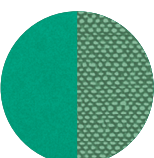
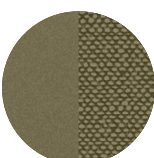
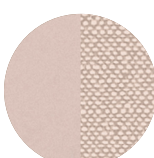
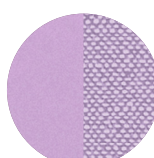
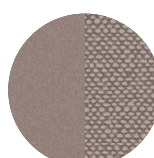
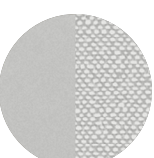
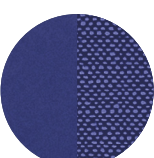
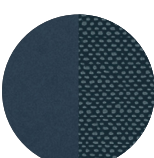
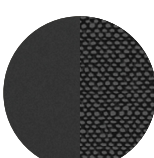
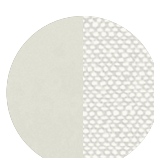
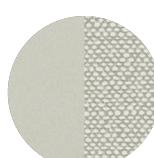
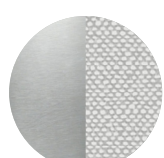


Colour Range

Muted — Accent — Base

The new colour range features 8 distinct colour categories: Blue, Earth, Green, Yellow, Red, Purple, Olive, and Neutral. Each colour is available in 3 variations – Muted, Accent, and Base. A Raw Aluminium frame is also available.

Canvas: Transformer

						
Muted Red	Accent Red	Base Red	Muted Earth	Accent Earth	Base Earth	
						
Muted Yellow	Accent Yellow	Base Yellow	Muted Olive	Accent Olive	Base Olive	
						
Muted Green	Accent Green	Base Green	Muted Purple	Accent Purple	Base Purple	
						
Muted Blue	Accent Blue	Base Blue	Black	White	Grey	Raw (Metallic)

Formats

The Supersonic Wall panel comes in both standard and bespoke sizes.

Frame depth: 55mm



Vertical:

- w:600 x h:1200 mm
- w:800 x h:1200 mm
- w:1000 x h:1200 mm
- w:1200 x h:1500 mm
- w:1200 x h:1800 mm
- w:1200 x h:2400 mm
- w:1000 x h:1500 mm
- w:1000 x h:2000 mm
- w:1500 x h:2000 mm
- w:2000 x h:3000 mm
- w:2000 x h:4000 mm



Horizontal:

- w:1200 x h:600 mm
- w:1200 x h:800 mm
- w:1200 x h:1000 mm
- w:1500 x h:1200 mm
- w:1800 x h:1200 mm
- w:2400 x h:1200 mm
- w:1500 x h:1000 mm
- w:2000 x h:1000 mm
- w:2000 x h:1500 mm
- w:3000 x h:2000 mm
- w:4000 x h:2000 mm



Square:

- w:1000 x h:1000 mm
- w:1200 x h:1200 mm
- w:1500 x h:1500 mm
- w:2000 x h:2000 mm

Bespoke sizes

Height / Width: Min. 200mm – Max. 3000mm
Length: Min. 200mm – No limitations on the maximum length.



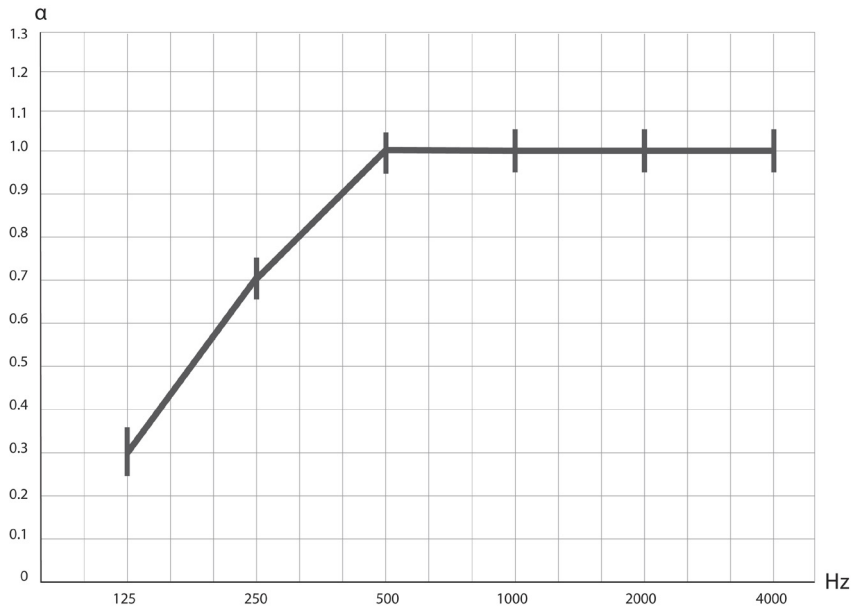


Sound Absorption

The acoustic efficiency is tested by third-party acoustic engineers in a sound engineering laboratory at the Technical University of Denmark. This means that architects, building consultants, and designers can rely fully on the acoustic characteristics of the wall panel.

Sound absorption class: A
Absorption coefficient(α_w): 0.95
NRC: 0.95

Freq. [Hz]	Absorption coefficient		
	1/3-oct.	1/1-oct.	ref.-curve
100	0.22	0.30	
125	0.27		
160	0.43		
200	0.54	0.70	0.75
250	0.70		
315	0.84		
400	0.98	1.00	0.95
500	1.06		
630	1.13		
800	1.15	1.00	0.95
1000	1.21		
1250	1.24		
1600	1.22	1.00	0.95
2000	1.18		
2500	1.11		
3150	1.10	1.00	0.85
4000	1.21		
5000	1.24		



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