

Specification Sheet

Supersonic Wall Panel Artwork



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PRODUCT DESCRIPTION

The Supersonic Wall Panel Artwork allows you to transform your space with the perfect combination of sound absorption and artistic sophistication. It features an extensive range of frame colours, a changeable canvas, Class A sound absorption, a shadow-effect frame, and a strong sustainability profile. The panel is made with a high percentage of recycled materials, and a disassembly function allows all components to be repaired and recycled at the end of their use. Select from an extensive range of captivating designs in Akuart's exclusive online gallery, featuring everything from modern abstracts to bold art photography.

FEATURES

- Changeable canvas: Front side canvas can easily be removed without having to disassemble the panel.
- Canvas design: The Akuart printed canvas offers a vast range of captivating designs, featuring everything from modern abstracts to bold art photography.
- Reinforced Corners: Metal inserts in the corners ensure that the frame is assembled without exposed and sharp edges.
- An extended range of frame colours: 24 standard fine structured powder coated frame colours to choose from.
- Floating frame profile: Unique frame design that makes up for unlevel wall surfaces by creating an elegant drop shadow on the wall

DIMENSIONS (mm) – Frame depth: 55mm

Vertical / Horizontal	75% Rec Alu	100% Rec Alu	Square	75% Rec Alu	100% Rec Alu
	KgCO2e	KgCO2e		KgCO2e	KgCO2e
w:700 x h:1000	10,27	6,07	w:1000 x h:1000	13,17	8,23
w:860 x h:1200	13,56	8,48	w:1200 x h:1200	25,25	11,37
w:1000 x h:1400	17,03	11,11	w:2000 x h:2000	39,03	29,15
w:1060 x h:1500	18,77	12,45			
w:1270 x h:1800	24,92	17,34			
w:1400 x h:2000	29,31	20,91			
w:2000 x h:2840	52,63	40,68			

***BESPOKE SIZES** – The Supersonic Wall panel Artwork can also be ordered in bespoke sizes. Please note that:

Height: Min. 200mm – Max. 3000mm

Length: Min. 200mm – Max. no limitations

(Frame profiles can be infinitely extended in length with connector fittings.)

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FRAME COLOURS / FINISHES

The Supersonic Wall Panel Artwork comes with a carefully curated colour range. It consists of 8 colours, each with three variations: Muted, Accent, Base. A Raw Aluminium frame is also available.

						
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)

CANVAS DESIGN OPTIONS

/ Art - [EXPLORE THE FULL ART RANGE](#)

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COMPONENTS

Frame:	Aluminium with 75% upcycled post-consumer aluminium scrap. A 100% recycled aluminium frame (100R) is available. Fine structured powder coating.
Acoustic material:	50 mm PET with 50% fibres from recycled plastic bottles
Canvas:	Changeable polyester textile made with 100% recycled polyester fibres
Corner Inserts:	Fine structured powder coated metal.
Mounting:	Wall brackets

CERTIFICATES

Frame:	Powder coating in compliance with REACH Regulation (EC) No 1907/2006 and CLP Regulation (EC) No 1272/2008.
Acoustic material:	EPD in accordance with ISO 14025 and EN 15804. In compliance with the REACH regulation EC 1907/2006. Reaction to fire classification B-s1,d0. Emission class M1. In compliance with Oeko-Tex Standard 100.
Canvas:	In compliance with Oeko-Tex Standard 100. Reaction to fire classification B-s1,d0. The ink fulfils the requirements for Oeko Tex Standard 100 and is in compliance with REACH regulations.

PRODUCT CARE

Canvas:	<p>/ Regularly dust with a soft brush or vacuum to prevent dirt accumulation.</p> <p>/ Treat stains on the canvas promptly to prevent them from setting. Absorb excess liquid immediately.</p> <p>/ Use antibacterial wipes or sprays to disinfect, always following the manufacturer's instructions.</p> <p>/ Machine washing is applicable for the detachable Supersonic Canvas. Remove the canvas carefully using the AKUART hand tag. The Canvas is washable at temperatures up to 60°C. Ensure it is completely dry before remounting.</p>
Frame:	<p>/ Regularly clean with a soft brush or vacuum to prevent dirt from accumulating.</p> <p>/ Disinfect using antibacterial wipes or sprays, ensuring you follow the manufacturer's instructions.</p>

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SOUND ABSORPTION TEST

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 count 100% on the acoustic characteristics of the wall panel.

ACOUSTIC FUNCTIONALITY

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		

