

Specification Sheet

Supersonic Wall Panel



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PRODUCT DESCRIPTION

The Akuart Supersonic Wall Panel is a first class wall absorber wrapped in timeless, nordic design to match any aesthetic narrative. This wall absorber is perfect for limiting sound reflections for workstations close to walls and especially in corners. Combined with extensive design options, the Supersonic Wall Panel provides endless possibilities of creating beautiful, stylish and sensorially stimulating interior designs. The panel comes with a variety of special features including a vast colour range, the characteristic Akuart changeable canvas and a design for disassembly product philosophy making it possible to recycle each and every single component of the screen.

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 design options including colours, printed textures, graphics, photography and more.
- Pinnable: The screen has a soft pinnable surface on both sides of the screen.
- 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 – Frame depth: 55mm

Vertical / Horizontal	75% Rec Alu	100% Rec Alu	Square	75% Rec Alu	100% Rec Alu
	KgC02e	KgC02e		KgC02e	KgC02e
w:600 x h:1200	10,7	6,3	w:1000 x h:1000	13,2	8,2
w:800 x h:1200	12,9	8,0	w:1200 x h:1200	17,3	11,4
w:1000 x h:1200	15,1	9,7	w:1500 x h:1500	24,5	17,1
w:1000 x h:1500	18,0	11,8	w:2000 x h:2000	39,0	29,1
w:1000 x h:2000	22,8	15,4			
w:1500 x h:2000	30,9	22,3			
w:1200 x h:1500	20,6	13,9			
w:1200 x h:1800	23,9	16,5			
w:1200 x h:2400	30,5	21,6			
w:2000 x h:3000	55,2	42,9			
w:2000 x h:4000	71,4	56,6			

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

Height: Min. 200mm – Max. 3000mm

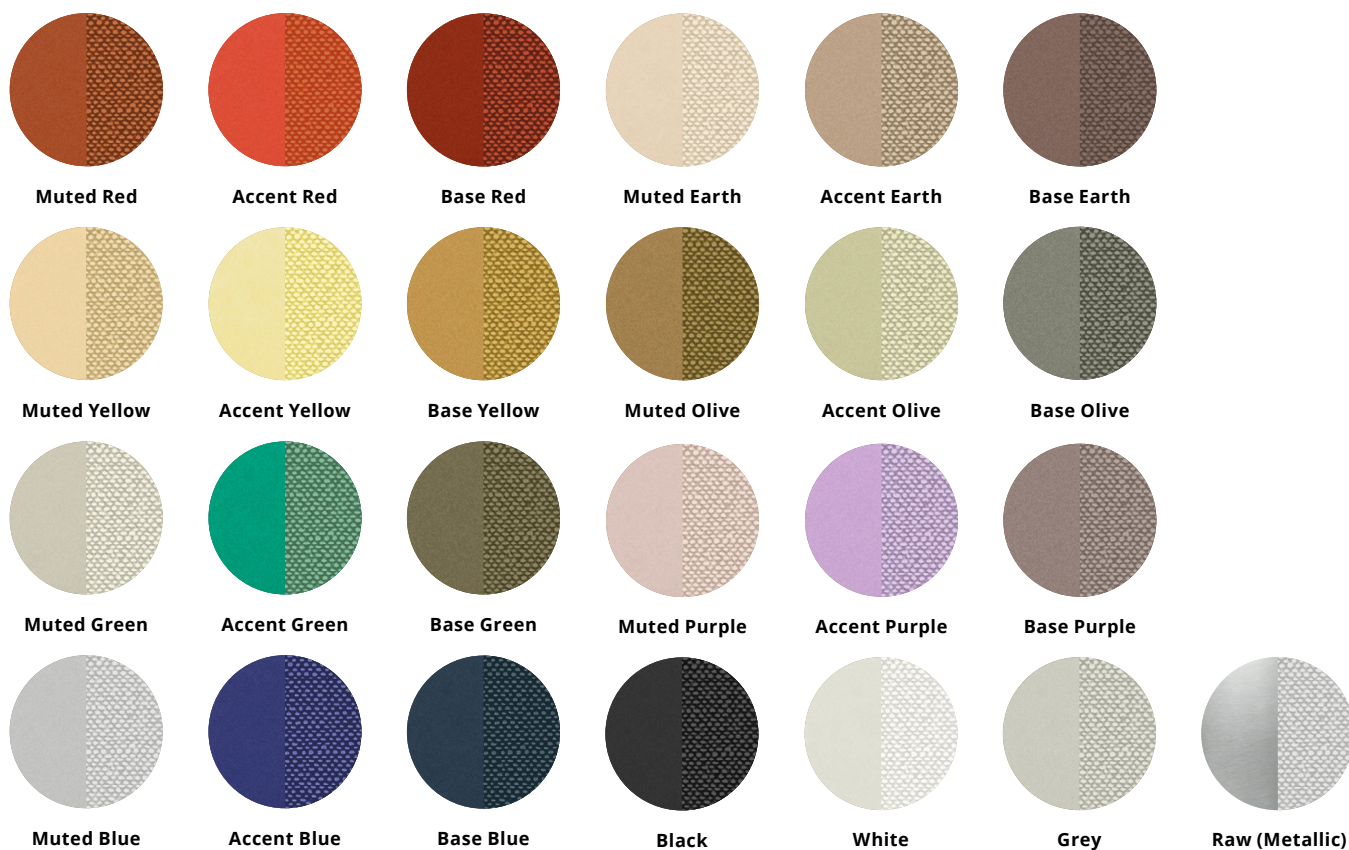
Length: Min. 200mm – Max. no limitations

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

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FRAME COLOURS / FINISHES

The Supersonic Wall Panel 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.



CANVAS DESIGN OPTIONS

/ Colours & Patterns - [EXPLORE THE RANGE](#)

/ Photography - [EXPLORE THE RANGE](#)

/ Custom Design - [DISCOVER CUSTOM SOLUTIONS](#)

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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:	Regularly dust with a soft brush or vacuum to prevent dirt accumulation. Treat stains on the canvas promptly to prevent them from setting. Absorb excess liquid immediately. Use antibacterial wipes or sprays to disinfect, always following the manufacturer's instructions. 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.
Frame:	Regularly clean with a soft brush or vacuum to prevent dirt from accumulating. Disinfect using antibacterial wipes or sprays, ensuring you follow the manufacturer's instructions.

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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		

