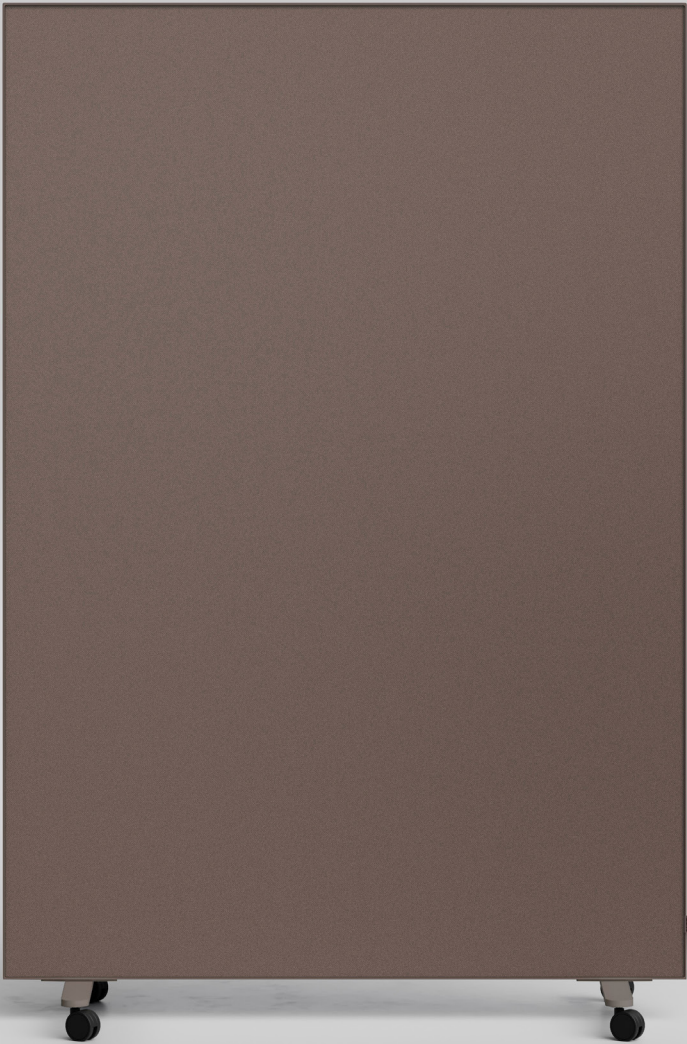


Supersonic Floor Screen

SPECIFICATION SHEET 2026

AKUART



Specification Overview ^{1/2}

PRODUCT & APPLICATION

Product	Supersonic Floor Screen
Product Type	Freestanding acoustic screen / space divider
Applications	Offices, Education, Healthcare, Hospitality
Primary Function	Acoustic zoning and spatial division in open-plan environments
Manufacturing	Made to order
Country of Origin	Poland
Lead Time	3–4 weeks
Warranty	10 Years

PERFORMANCE

Acoustic Performance	Equivalent sound absorption area
Acoustic Test Standard	ISO 354
Fire Classification	B-s1,d0 (component level – canvas and acoustic core)
Light Fastness	≥5 (EN ISO 105-B02:2014)
Mechanical Safety	Passed (Elevated Base configuration)

CONSTRUCTION & FUNCTIONALITY

Screen Thickness	50 mm
Construction	Mechanical assembly
Frame	Hydro CIRCAL® 100R (100% recycled aluminium)
Frame Finish	Fine-structured powder coating
Acoustic Core	50 mm PET (75% recycled fibres)
Canvas Front	100% recycled polyester
Canvas Rear	100% recycled polyester
Surface	Soft acoustic textile
Pinnable	✓
Replaceable Front Canvas	✓
Replaceable Rear Canvas	✓
Demountable	✓
Base Options	Flat Base / Elevated Base / Wheeled Base

Specification Overview ^{2/2}

CIRCULARITY

Frame Recycled Content	100% post-consumer recycled aluminium
Acoustic Core	75% recycled PET
Canvas	100% recycled polyester
Designed for Disassembly	✓
Replaceable Components	✓
Replaceable Front & Rear Canvas	✓
Repairable	✓
Recyclable	✓

DOCUMENTATION

Oeko-Tex® Standard 100	✓
REACH Compliance	✓
Installation Guide	✓
Maintenance Guide	✓
3D Files	DWG, FBX, 3DS, OBJ, USDZ, GLB

DESIGN OPTIONS

Standard Finish	24 powder-coated colours
Standard Canvas Colours	24 textile colours coordinated with the standard frame colours
Replaceable Canvas	Front and rear independently replaceable
Base Options	Flat Base / Elevated Base / Wheeled Base

Core Features



Acoustic Zoning	Reduces speech transmission and improves acoustic comfort.
Freestanding Space Division	Creates spatial definition without permanent architectural intervention.
Double-Sided Acoustic Surface	Acoustic textile surfaces on both sides support effective sound absorption within open environments.
Circular Construction	Designed for disassembly using mechanical assembly.
Replaceable Front & Rear Canvas	Both textile surfaces can be replaced independently without replacing the acoustic core or frame.
Pinnable Surface	Soft acoustic textile surfaces suitable for pinning notes, sketches and lightweight materials.
Flexible Dimensions	Available in multiple standard formats and bespoke dimensions to suit project requirements.
Three Base Options	Flat, elevated and wheeled base
Mobility Option	The Wheeled Base enables screens to be repositioned as workplace layouts and activities change.
Reinforced Construction	Integrated metal corner inserts provide precise frame assembly, durability and a refined finish.

Design Options^{1/1}

FRAME DESIGN OPTIONS

The aluminium frame is available in 24 powder-coated colours, organised into eight colour families, each offered in three tonal variations:

- Muted
- Base
- Accent

Additionally, the frame is available in Raw Aluminium upon request.

CANVAS DESIGN OPTIONS

→ The Transformer Collection is Akuart’s coordinated textile collection, developed to perfectly match the 24 standard frame colours. Using the same colour logic (Muted, Base and Accent), architects can specify:

- Matching frame and canvas combinations
- Contrasting frame and canvas combinations
- Tonal compositions across spaces

















→ Muted Olive

Muted Red

Muted Yellow

Muted Purple

Muted Earth

Muted Green

Muted Blue

White

















Base Olive

Base Red

Base Yellow

Base Purple

Base Earth

Base Green

Base Blue

Grey

















Accent Olive

Accent Red

Accent Yellow

Accent Purple

Accent Earth

Accent Green

Accent Blue

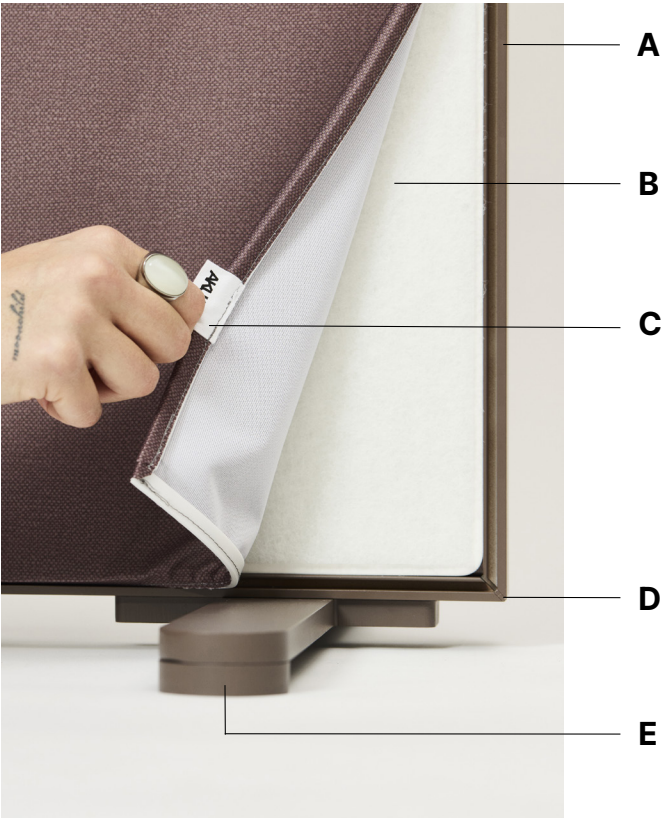
Black



Raw Aluminium

Materials & Construction ^{1/2}

The screen is constructed with bolt-on components with a high percentage of recycled content. It is designed for straightforward dismantling, enabling efficient sorting, repair, recycling, and reuse. Individual components can be replaced as required, reducing material waste and extending service life. The exchangeable front canvas allows the visual expression to be updated without replacing the entire Screen, ensuring long-term adaptability to changing interiors while preserving the core structure for continued use over time.



Overall Thickness	55 mm
Construction	Mechanical assembly
Frame (A)	55 mm Hydro CIRCAL® 100R (100% recycled aluminium)
Frame Finish (A)	Fine-structured powder coating
Acoustic Core (B)	50 mm PET (75% recycled fibres)
Canvas (C)	100% recycled polyester
Corner Inserts (D)	Zinc
Feet (E)	Steel
Fasteners	Steel
Pinnable	✓
Replaceable Canvas	✓
Demountable	✓

Materials & Construction ^{2/2}



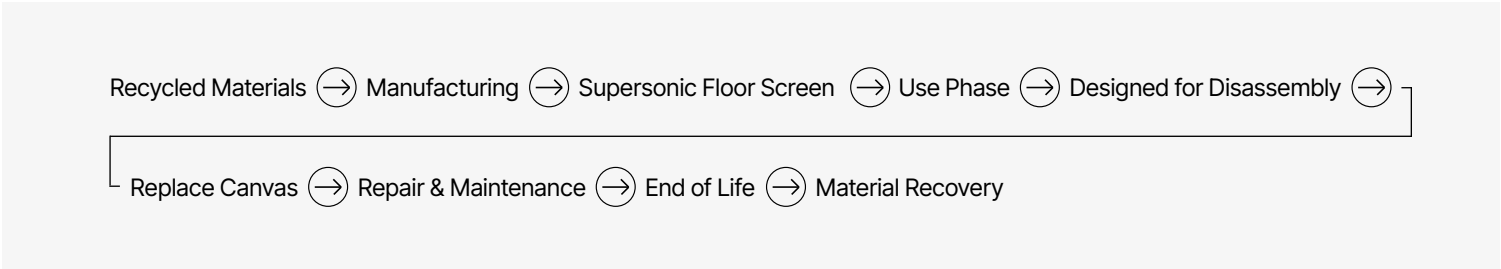
WEIGHT GUIDE

Screen Area	Flat Base	Elevated Base	Wheeled Base
1 m²	13.3 kg	17.6 kg	18.0 kg
2 m²	17.9 kg	22.2 kg	22.6 kg
3 m²	22.4 kg	26.7 kg	27.1 kg
4 m²	27.0 kg	31.2 kg	31.6 kg
5 m²	31.5 kg	35.8 kg	36.2 kg
6 m²	36.0 kg	40.3 kg	42.7 kg

Circularity & Sustainability

Supersonic Floor Screen is designed with circularity in mind. Made-to-order production minimises excess production. Mechanical assembly enables disassembly for maintenance, repair and material recovery, while the replaceable textile canvas extends product longevity by allowing the visual expression to evolve without replacing the acoustic core or frame.

CIRCULAR MATERIAL FLOW



ENVIRONMENTAL DOCUMENTATION

Comprehensive environmental documentation is available to support specification, compliance and lifecycle transparency.

- REACH Compliance
- OEKO-TEX® Certification

CONTRIBUTION TO BUILDING CERTIFICATION

The documentation and certification in the specification sheet can contribute towards sustainable building certification schemes through documented material transparency, environmental performance and indoor environmental quality.

- DGNB
- LEED
- WELL
- BREEAM

Dimensions^{1/4}



VERTICAL FORMATS

W x H x D mm
800 × 1300 × 50
800 × 1500 × 50
800 × 1800 × 50
1000 × 2000 × 50
1200 × 1300 × 50
1200 × 1500 × 50
1200 × 1800 × 50
1200 × 2000 × 50
1400 × 1500 × 50
1500 × 2000 × 50

HORIZONTAL FORMATS

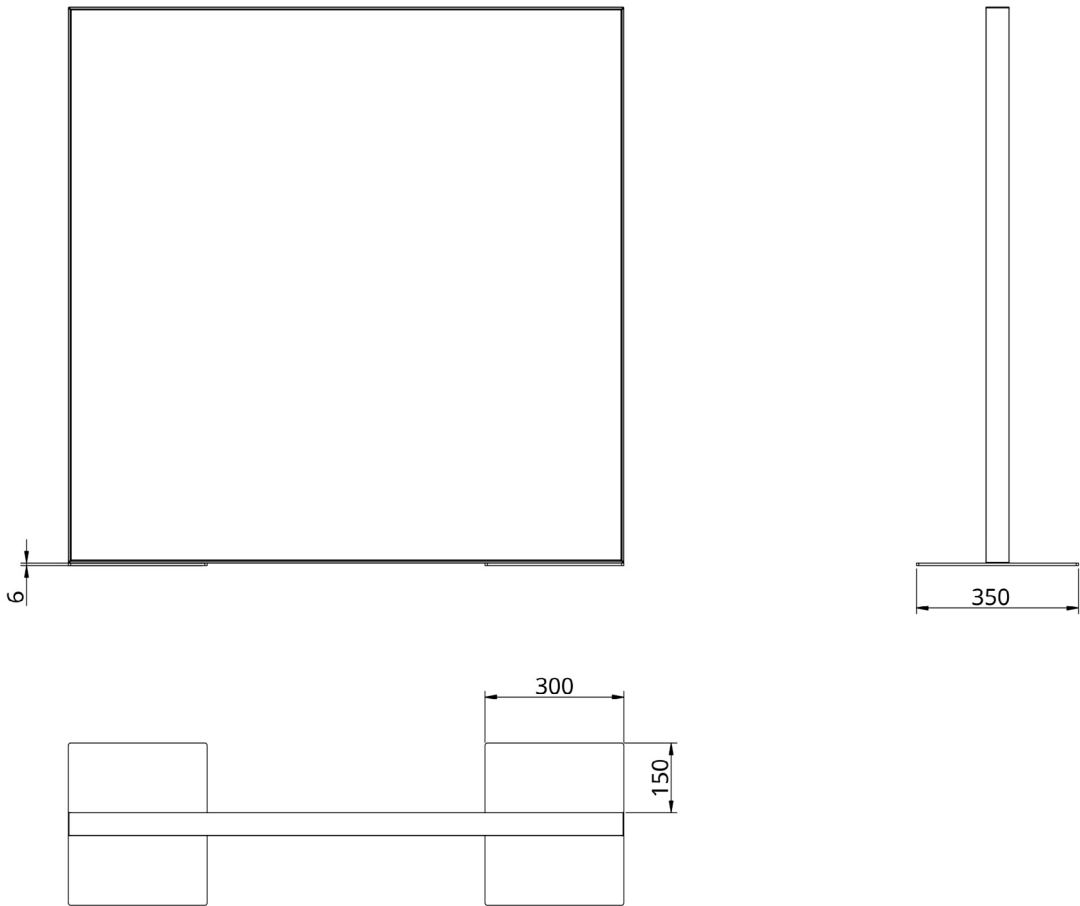
W x H x D mm
1400 × 1300 × 50
1600 × 1300 × 50
1600 × 1500 × 50
1800 × 1300 × 50
1800 × 1500 × 50
2000 × 1200 × 50
2000 × 1300 × 50
2000 × 1500 × 50

BESPOKE DIMENSIONS

The Supersonic Floor Screen is available in bespoke dimensions to accommodate specific architectural and spatial requirements. Bespoke sizes can be specified within the range of the smallest to largest standard formats.

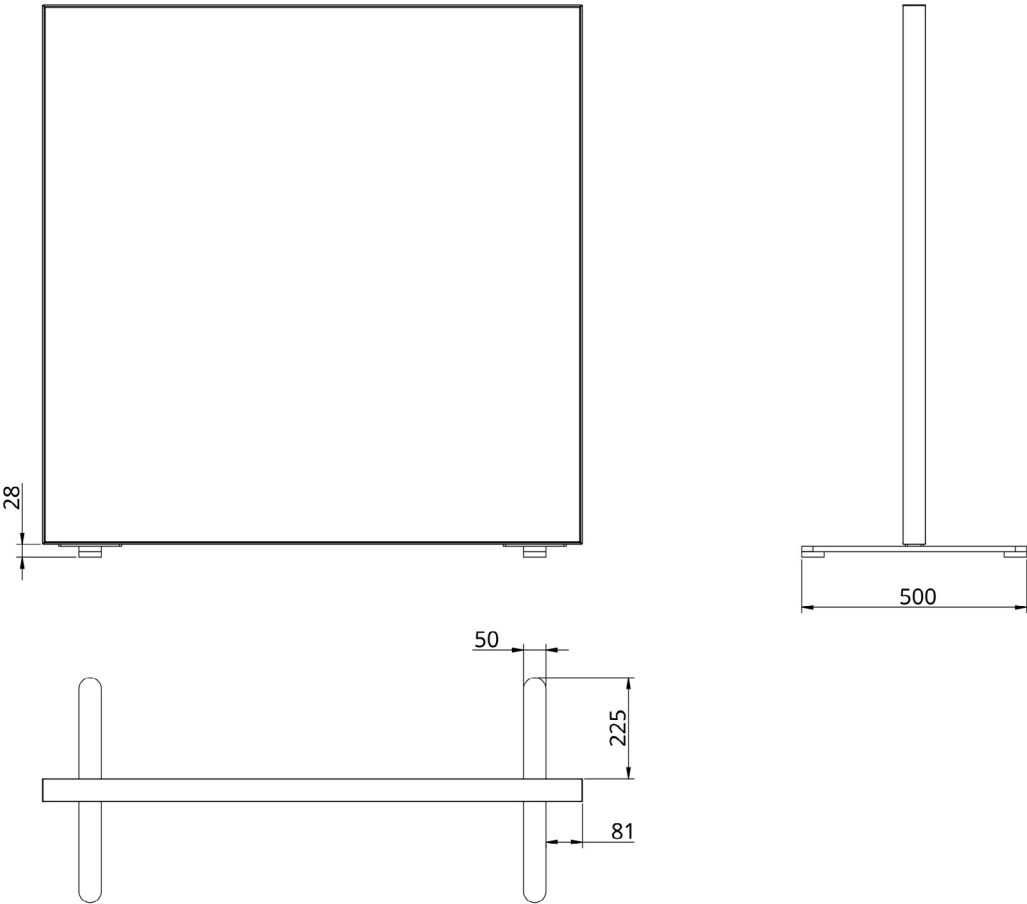
Dimensions^{2/4}

FLATE BASE



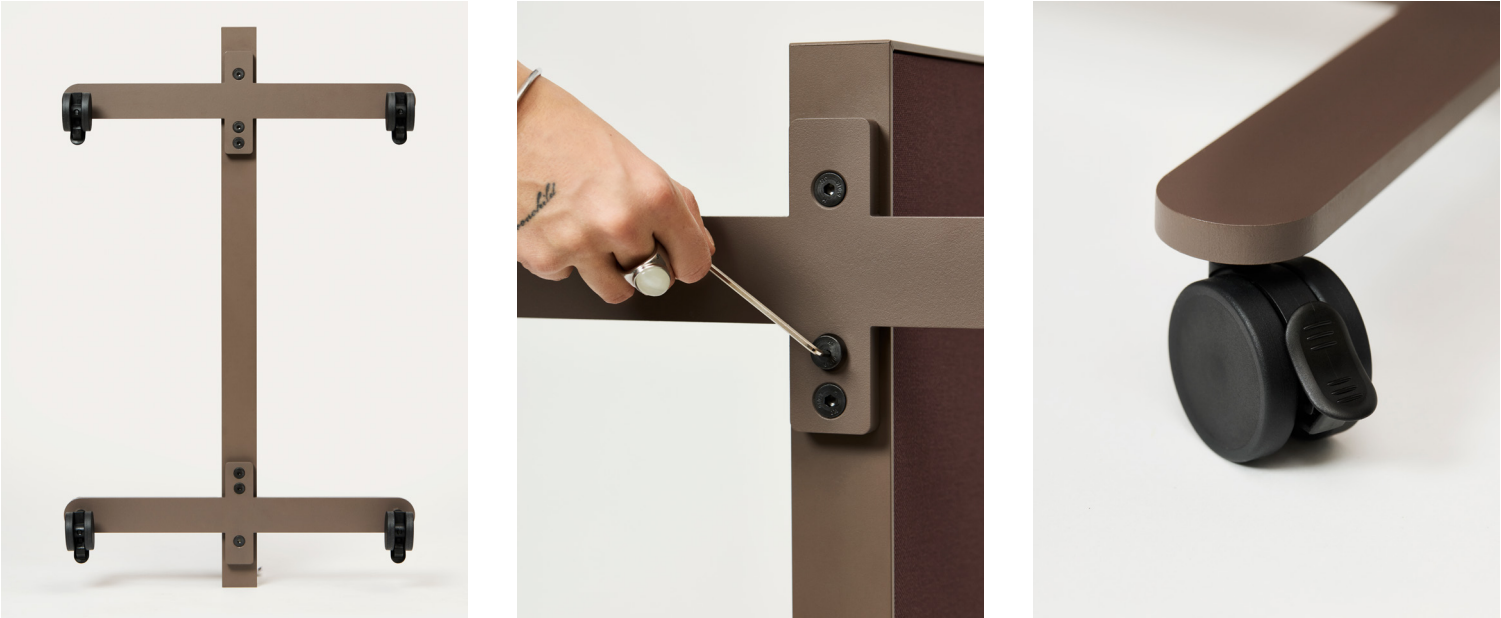
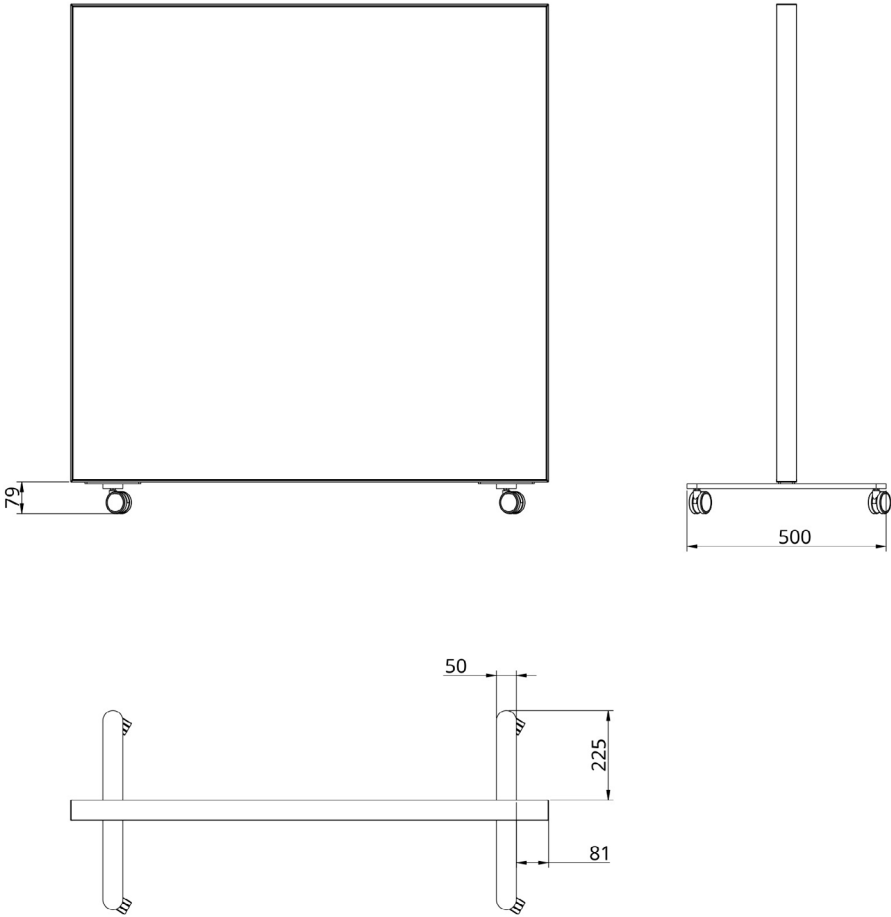
Dimensions^{3/4}

ELEVATED BASE



Dimensions^{4/4}

WHEELED BASE

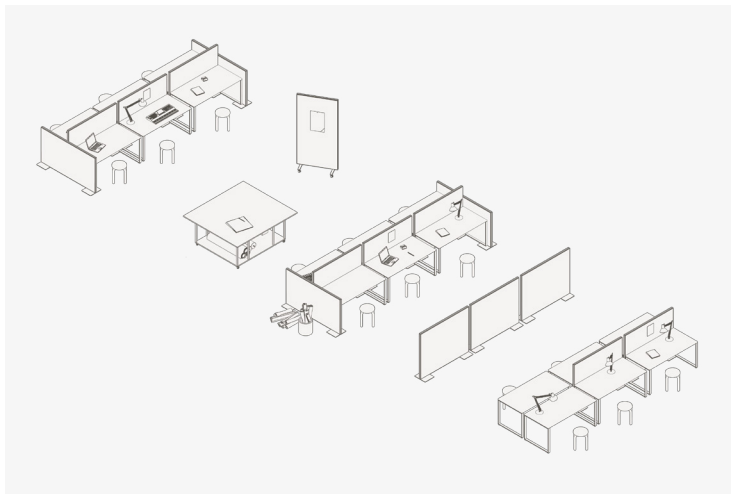


Application^{1/2}

Designed for flexible acoustic zoning across workplace, learning and care environments, the Supersonic Floor Screen creates separation without permanent architecture. It can divide individual settings, define activity zones and structure larger shared spaces, while adapting as spatial needs change.

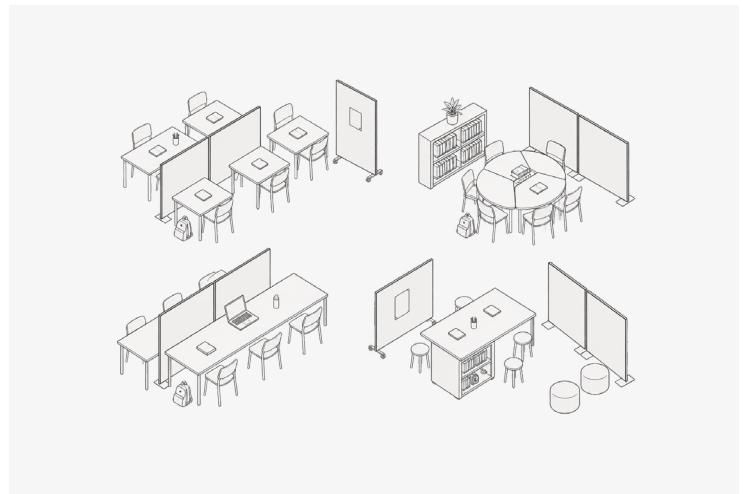
WORKPLACE

- **Workstation Divider:** Between individual or opposing desks to reduce speech transmission and create more defined work zones.
- **Team Divider:** Between groups of desks to acoustically separate adjacent teams without permanent partitions.
- **Meeting Zone:** Around open meeting tables or informal collaboration settings to separate conversation from surrounding work areas.
- **Focus Zone:** Used to create smaller, more protected areas for individual work within larger open spaces.



LEARNING

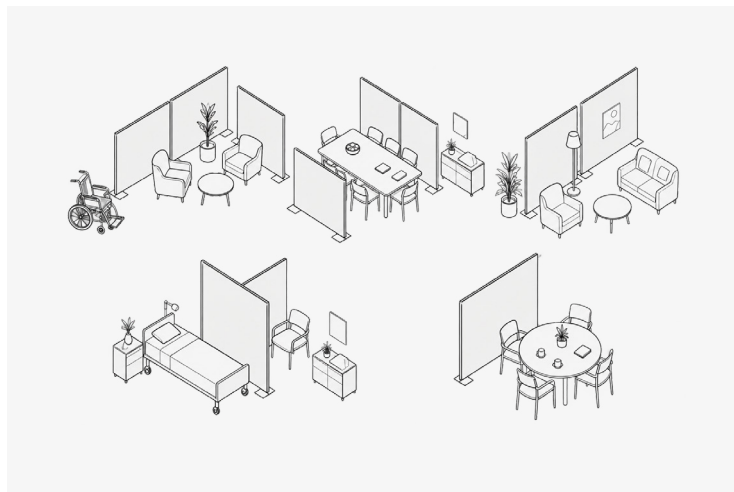
- **Study Zone:** Between individual or shared study tables in libraries and learning environments to reduce distraction between users.
- **Group Work Zone:** Separates collaborative learning areas from quieter study or teaching zones.
- **Classroom Divider:** Divides larger classrooms or flexible learning spaces into smaller activity zones without fixed walls.
- **Library Zone:** Creates acoustic boundaries between reading, study, circulation and collaborative areas.



Application^{2/2}

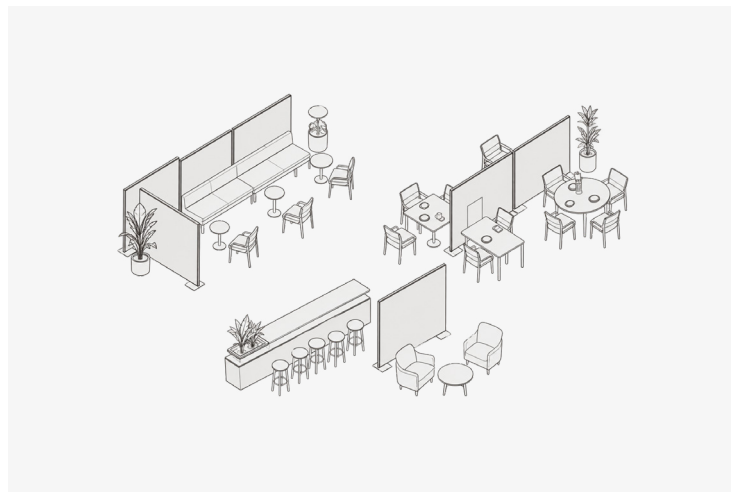
CARE

- **Activity Zone:** Defines smaller activity areas within larger communal or multi-purpose rooms while maintaining openness and visibility.
- **Resident Lounge:** Creates more intimate seating or conversation areas within larger shared living environments.
- **Dining Zone:** Separates smaller groups of tables within communal dining areas and helps reduce sound propagation across the room.
- **Waiting Zone:** Creates acoustic and visual separation between seating groups in waiting and reception environments.



HOSPITALITY & PUBLIC

- **Lounge Zone:** Defines smaller seating groups within larger lounges, foyers and shared environments.
- **Dining Zone:** Creates acoustic separation between tables or groups in restaurants, cafés and canteens.
- **Waiting Zone:** Separates seating areas in receptions, waiting rooms and public spaces.
- **Multi-Purpose Zone:** Creates temporary spatial divisions for events, exhibitions and changing activities.



Acoustic Performance

The Supersonic Floor Screen is constructed with a Class A acoustic absorber, providing highly effective broadband sound absorption across the relevant frequency range.

Its double-sided construction provides a large active absorption surface, helping reduce reflected sound and overall sound levels while supporting acoustic separation within a space.

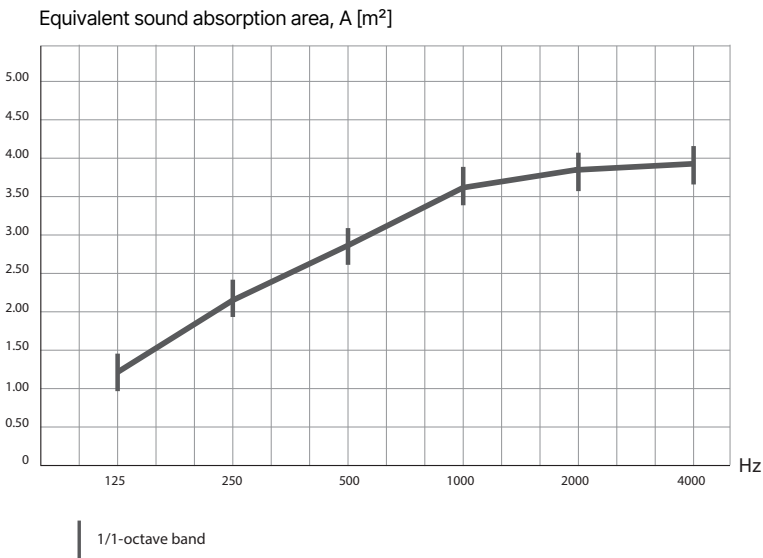
Acoustic performance is independently tested at the Technical University of Denmark (DTU) according to ISO 354 and evaluated as equivalent sound absorption area in accordance with ISO 20189.

LABORATORY PERFORMANCE

Equivalent sound absorption area

Test dimensions 2.16 m2
Test standard / evaluation: ISO 354 / ISO 20189

Freq. [Hz]	Equivalent sound absorption area		
	1/3-oct.	1/1-oct.	ref.-curve
100	1.06	1.20	
125	1.15		
160	1.35		
200	1.82	2.05	-
250	2.09		
315	2.25		
400	2.82	2.95	-
500	2.92		
630	3.04		
800	3.41	3.55	-
1000	3.61		
1250	3.65		
1600	3.79	3.75	-
2000	3.73		
2500	3.75		
3150	3.81	3.80	-
4000	3.82		
5000	3.84		



ACOUSTIC FUNCTION

The Floor Screen combines sound absorption and physical screening in a single freestanding element. Positioned close to workstations, people or activity zones, it absorbs reflected sound while creating a physical barrier in the direct sound path. This makes it suitable for acoustic zoning and separation in open and shared environments.

ACOUSTIC DESIGN CONSIDERATIONS

Acoustic performance within a space depends on the size, quantity and placement of the screens, as well as the room geometry, surfaces and surrounding acoustic conditions. For project-specific requirements, AKUART can provide guidance on screen configuration and placement.

Installation & Maintenance

INSTALLATION

The Supersonic Floor Screen is delivered as a freestanding unit and assembled by mechanically fixing the base to the frame. The system can be demounted without damage, enabling relocation or component replacement when required.

CARE & MAINTENANCE

Canvas

- Vacuum or dust regularly.
- Spot clean stains immediately.
- Machine washable up to 60°C.
- Ensure canvas is fully dry before reinstallation.

Frame and Base

- Vacuum or dust regularly.
- Clean using antibacterial wipes or mild cleaning agents as required.

LONG-TERM MAINTENANCE

The replaceable canvas system allows the visual appearance to be renewed without replacing the acoustic core or frame, extending the functional and aesthetic lifespan of the product.

WARRANTY

10-year warranty against defects in materials and workmanship when installed and maintained in accordance with Akuart guidelines.

Downloads & Digital Resources

→ [Installation Guide](#)

→ [3D Files](#)

→ [Product Page](#)

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