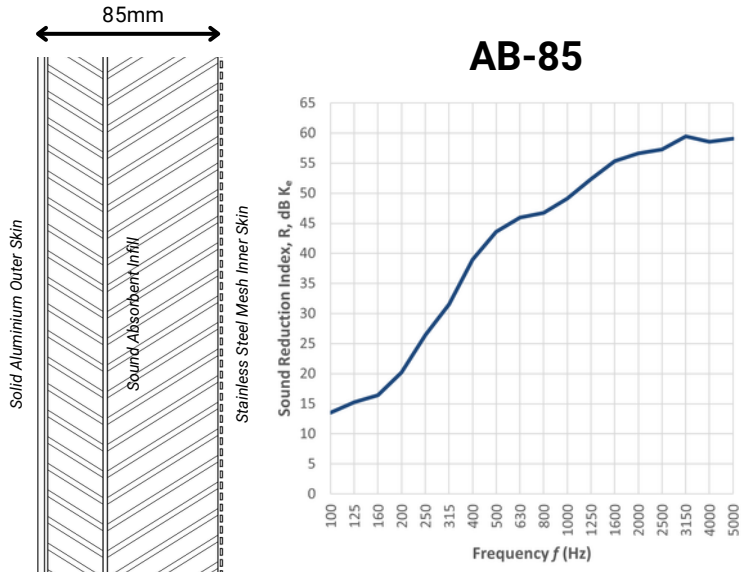
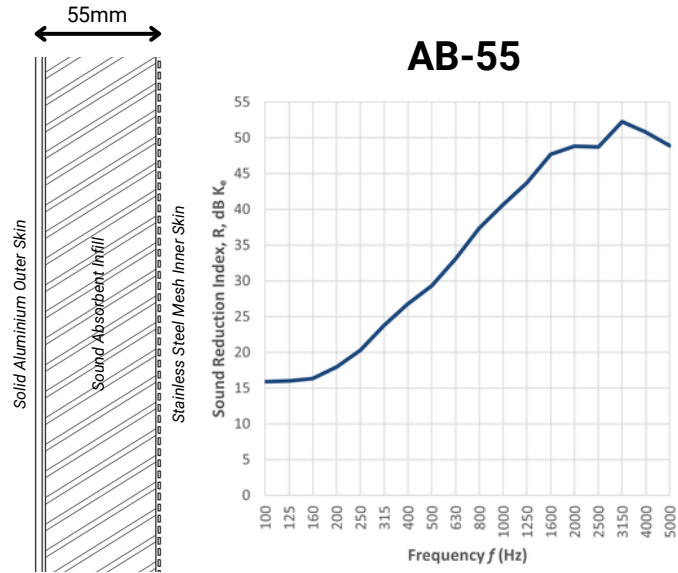


AB Series Data Sheet

The Ventuer AB Series is a solid acoustic screening system designed to reduce airborne noise transmission and provide sound absorption on the exposed face. Panels are manufactured from aluminium sheet, a sound absorbant core, and a stainless steel mesh internal liner, creating a strong, corrosion-resistant, washable construction for internal or external use.

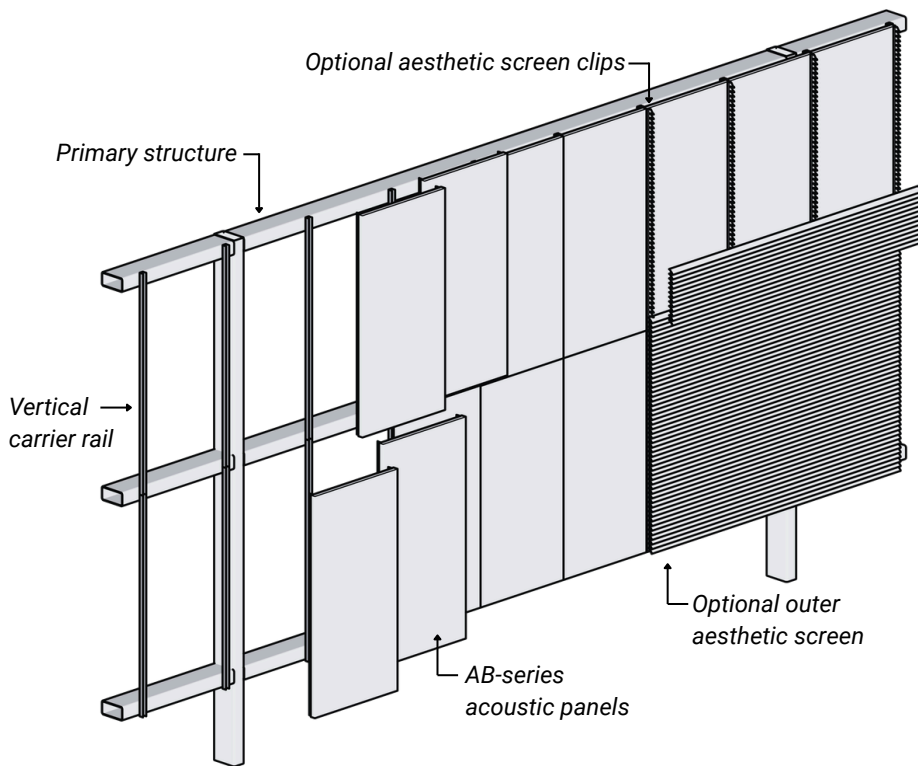
The system suits rooftop plant screening, equipment enclosures, boundary noise mitigation, and acoustic separation where no airflow is required. The base panel can be fitted with various exterior facings to meet architectural needs and can be prefabricated in large modules for fast handling and installation.

The AB Series is available in AB-55 and AB-85 to suit differing performance needs and space limits. Increased thickness improves sound absorption and noise attenuation, depending on configuration and installation.



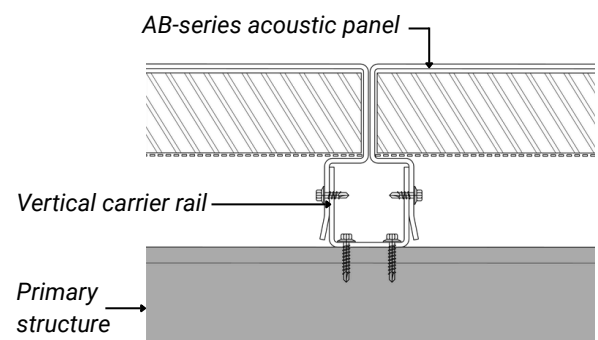
AB-55: SOUND TRANSMISSION LOSS (ISO 15186)								
HZ	63	125	250	500	1000	2000	4000	STC
dB	11.9	16.1	20.1	29.0	39.8	48.4	50.4	33
AB-55: SOUND ABSORPTION (ISO 354)								
HZ	63	125	250	500	1000	2000	4000	NRC
(α)	0.20	0.35	0.85	1.00	1.00	1.00	1.00	1.05

AB-85: SOUND TRANSMISSION LOSS (ISO 15186)								
HZ	63	125	250	500	1000	2000	4000	STC
dB	9.5	14.9	23.8	41.9	48.8	56.3	59.0	37
AB-85: SOUND ABSORPTION (ISO 354)								
HZ	63	125	250	500	1000	2000	4000	NRC
(α)	0.30	0.70	1.00	1.00	1.00	1.00	1.00	1.00



Typical Installation

- Multiple surface finishing options
- High sound absorption
- High transmission loss
- Prefabricated for fast installation
- Durable and corrosion-resistant
- Washable, low-maintenance surfaces
- Strong aluminium construction
- Engineered for wind, seismic and barrier loads

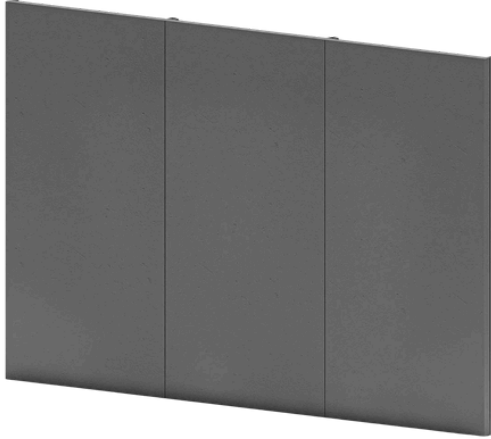


Typical Fixing Detail (Horizontal Section)

Architectural Facing Options

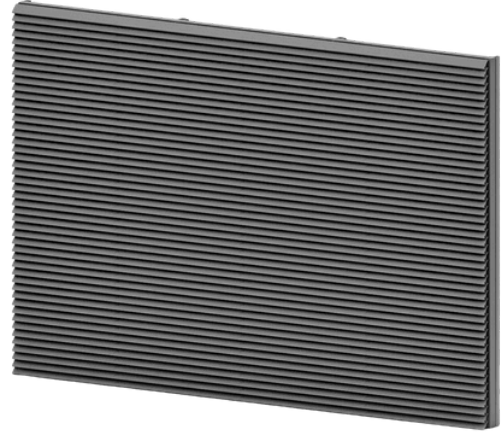
The AB Series acoustic screening system can be supplied as a standalone solid panel with a flat aluminium face or factory-integrated with a range of architectural screening materials. These options maintain full acoustic performance while providing a coordinated external appearance to suit visual, planning, or contextual requirements.

Horizontal louvres, vertical battens, and swaged aluminium grating can be mounted directly to the system using the same installation method. Each option offers durable performance, simple installation, and a cohesive look for rooftop plant screens, equipment enclosures, boundary treatments, and other applications where aesthetic integration is required without airflow.



1. Flat Aluminium Face

The simplest and most cost-effective option, providing a clean, minimal, and corrosion-resistant finish. Ideal for installations where functional screening is required without additional architectural detailing.



2. Horizontal Louvres – Small (50 mm)

A fine-grained louvre appearance that delivers strong visual concealment with minimal bulk. Suited to projects seeking a subtle, tightly spaced screen.



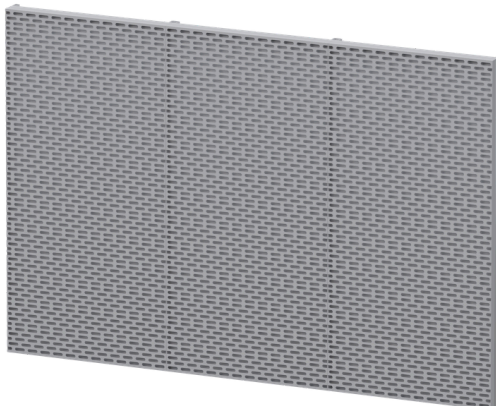
3. Horizontal Louvres – Medium (100 mm)

A balanced, widely applicable louvre profile suitable for most architectural contexts. Provides effective equipment screening with a contemporary aesthetic.



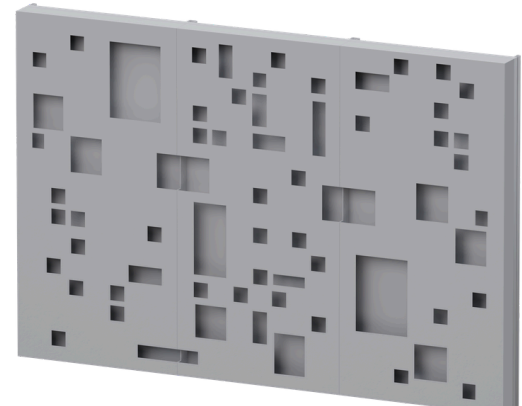
4. Horizontal Louvres – Large (150 mm)

A bold, open louvre format that creates a strong horizontal expression. Well suited to large plant enclosures or sites requiring a more prominent architectural presence.



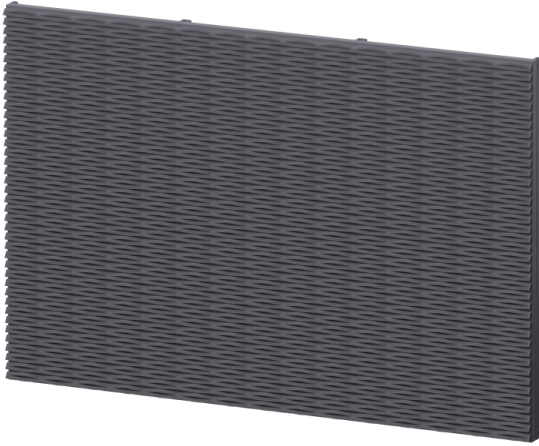
5. Perforated Facing Panel – Uniform Pattern

Uniform perforated panels provide a consistent, patterned surface that introduces texture without overwhelming the façade. This option offers a modern and orderly appearance suited to contemporary architectural designs.



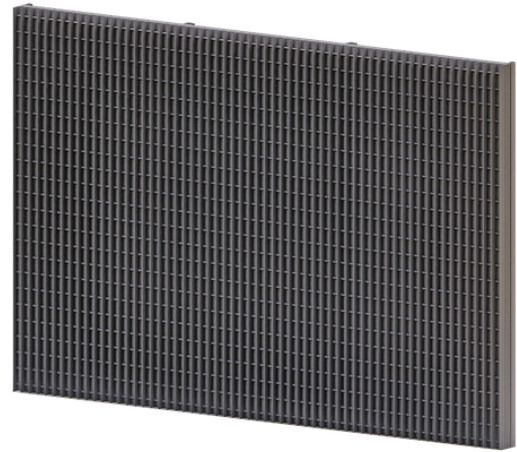
6. Perforated Facing Panel – Feature Patterns

Feature perforated panels allow custom patterns to be incorporated into the façade, enabling unique visual identity and architectural storytelling. This option is well suited where the screen becomes a defining design element.



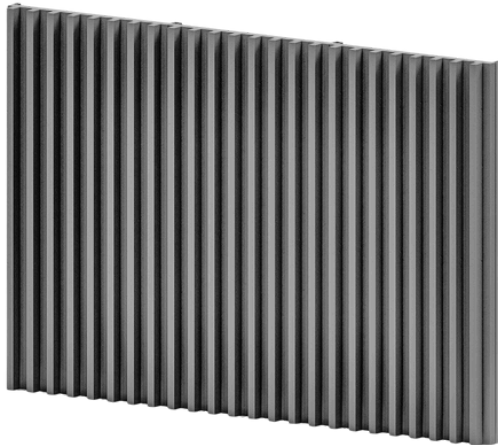
7. Expanded Aluminium Mesh

Expanded aluminium mesh creates a light, layered appearance with visible depth and texture. Its open pattern introduces visual interest while maintaining a contemporary industrial aesthetic.



8. Swaged Aluminium Grating

Swaged aluminium grating produces a strong geometric appearance with a clear structural pattern. This option suits projects seeking a bold, utilitarian architectural character.



9. Vertical Battens - Square Profile

Square vertical battens create strong vertical lines and a consistent architectural rhythm. This format suits façades that emphasise height and clean, disciplined visual order.



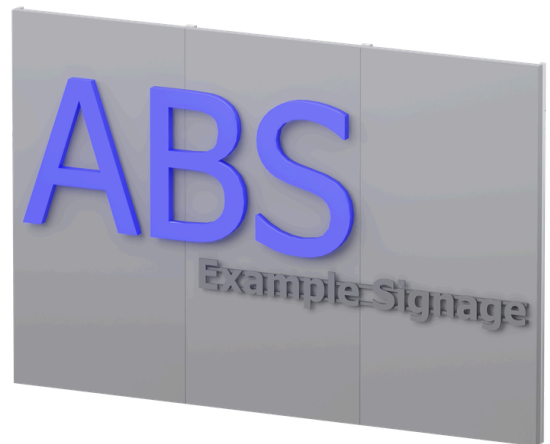
10. Vertical Rectangular Fins

Rectangular fins introduce deeper shadow lines and a greater sense of visual depth. This option creates a more expressive façade treatment with pronounced vertical definition.



11. Living Walls

Living wall systems introduce natural greenery to the façade, softening the visual impact of plant enclosures and helping integrate structures into landscaped or urban environments. This option supports visually rich and environmentally expressive designs.



12. Signage

Integrated signage panels allow graphic elements, branding, or wayfinding to become part of the façade. This option transforms the screen into a visible identity feature within the overall architectural composition.