

Aluminium Louvre Systems

Bespoke ventilation, screening
and acoustic louvre solutions



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Introduction

Aluminium Louvres

Aluminium louvres are an essential component of modern building design, providing effective ventilation while contributing to the overall appearance and performance of the building envelope. Suitable for both new-build and refurbishment projects, they allow controlled airflow into buildings and plant areas while helping to screen services, reduce weather ingress and maintain a clean architectural finish.

Finish Architectural supplies a comprehensive range of aluminium louvre systems designed to meet the ventilation, screening and architectural requirements of modern construction projects. From facade integration and plant screening to window systems and acoustic applications, our range provides solutions for a wide variety of commercial and residential developments.

Designed for a Wide Range of Applications

Our aluminium louvre systems are suitable for a variety of applications, including:

- Plant room ventilation
- Building facade integration
- Window and curtain wall systems
- Rooftop plant and service area screening
- Mechanical ventilation openings
- Acoustic screening where noise attenuation is required

Whether the priority is maximising airflow, improving weather resistance or reducing noise transmission, our range includes a solution to suit virtually every project requirement.

Tailored to Your Project

Every project has unique ventilation and aesthetic requirements. Our aluminium louvre systems are available in a wide range of sizes, frame options and configurations, with bespoke dimensions and polyester powder-coated finishes available to suit individual project specifications.

Designed to integrate seamlessly with curtain walling, glazing systems and external facades, our louvre solutions provide both functional performance and architectural flexibility.

Technical Support Throughout Your Project

Our experienced team can provide guidance throughout the specification process, helping you select the most appropriate louvre system for your project. From initial enquiry and product selection through to technical advice and supply, we work closely with architects, contractors and facade specialists to deliver practical, high-quality ventilation solutions.

Our Aluminium Louvre Range

A comprehensive range of aluminium louvre systems designed to meet different ventilation, screening and acoustic performance requirements.

Product	Best suited for	Key benefit
AVS32	Window systems, facades, general ventilation	Compact profile with high free area
AVS50	Commercial buildings, plant ventilation	Increased airflow performance
AVS50 GL DR	Window & curtain wall systems	Integrally drained design for improved water management
Acoustic Louvres	Plant rooms, service compounds, rooftop equipment	Reduces noise while maintaining airflow

AVS32

Ideal for projects requiring a compact aluminium louvre that delivers effective ventilation while integrating seamlessly with window and facade systems.

Applications

- Window systems
- Facades
- Ventilation openings
- General screening



AVS50

Designed for projects where increased airflow is the priority, making it suitable for larger ventilation openings and commercial applications.

Applications

- Plant rooms
- Commercial buildings
- Facade ventilation
- Service areas



AVS50 GL DR

Developed for glazed applications where water management is critical. The integrally drained design helps direct collected water into the window or curtain wall drainage system.

Applications

- Curtain walling
- Window systems
- Schools
- Healthcare
- Exposed elevations



Acoustic Louvres

Designed to reduce noise transmission from plant and mechanical equipment whilst maintaining effective airflow.

Applications

- Rooftop plant
- Service compounds
- Generator enclosures
- HVAC screening



AVS32

Aluminium Louvre System



Overview

The AVS32 is a compact aluminium louvre system designed for applications where effective ventilation and a streamlined architectural appearance are required. Its shallow profile makes it particularly suited to integration within window systems and facades, while providing reliable airflow performance for a wide range of commercial, residential and public sector buildings.

Available in a range of frame configurations and bespoke sizes, the AVS32 can be tailored to suit individual project requirements and finished in a wide selection of polyester powder-coated colours.

Typical Applications

- Window systems
- Curtain walling
- Facade ventilation
- Plant room ventilation
- External wall openings

Key Features

- Compact 32mm blade pitch
- High free area for effective ventilation
- Wide range of frame options
- Bespoke sizes available
- Polyester powder-coated finishes
- Flyscreen, birdguard and drainage profile options

AVS32 Specification Snapshot

Specification	Detail
Blade Pitch	32mm
Overall Depth	38mm
Free Area	50%
Airflow Performance	Class 3
Weather Performance	Independently tested to BS EN 13030
Frame Options	Glazed-in, Flanged, Box Frame
Finish Options	Polyester powder coated to project requirements
Optional Features	Flyscreen, Birdguard, Drainage Profile, Security Option
Typical Applications	Windows, facades, ventilation openings

AVS50

Aluminium Louvre System



Overview

The AVS50 aluminium louvre system has been developed for projects where increased airflow performance is required. Featuring a deeper blade profile than the AVS32, it provides enhanced ventilation while maintaining a clean, contemporary architectural appearance.

Suitable for a variety of commercial and industrial applications, the AVS50 offers excellent flexibility through a choice of frame options, bespoke sizing and a comprehensive range of finishes to complement the wider building envelope.

Typical Applications

- Commercial developments
- Plant room ventilation
- Service compounds
- Facade ventilation
- Rooftop screening

Key Features

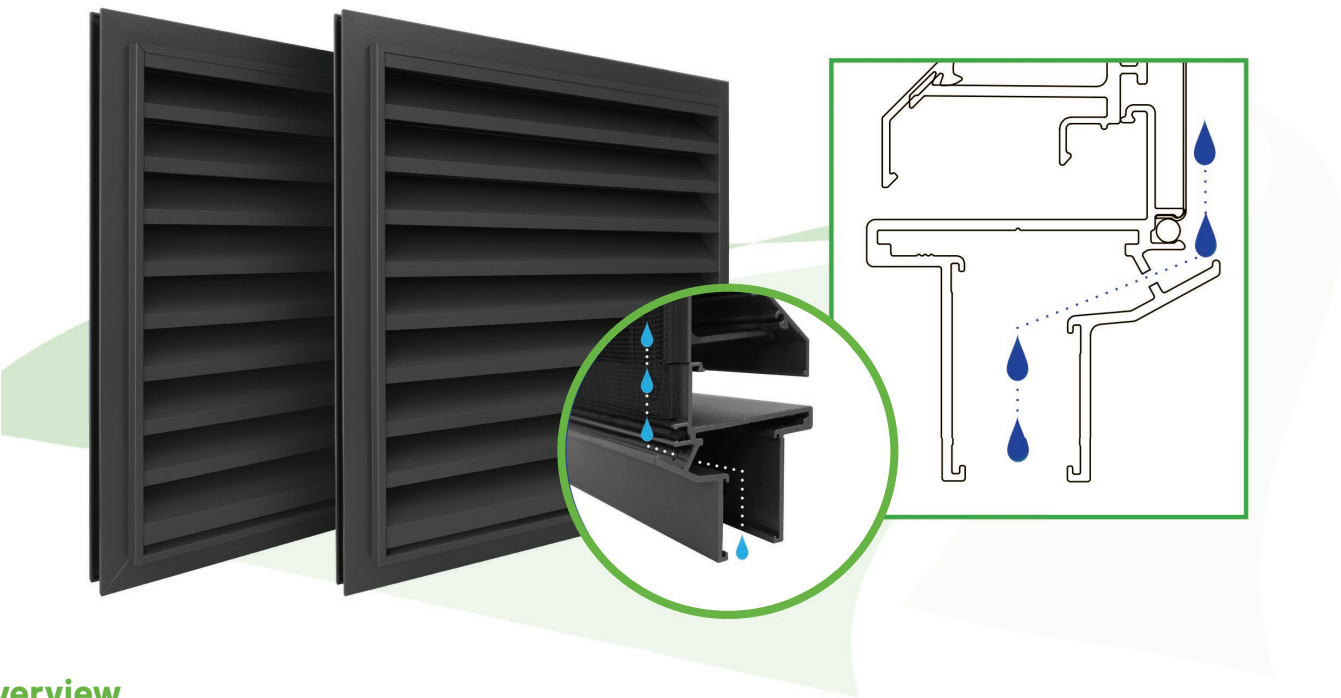
- 50mm blade pitch
- Increased airflow performance
- High free area
- Multiple frame configurations
- Bespoke sizes available
- Polyester powder-coated finishes
- Flyscreen, birdguard and drainage profile options

AVS50 Specification Snapshot

Specification	Detail
Blade Pitch	50mm
Overall Depth	60mm
Free Area	50%
Airflow Performance	Mean Ce 0.272 (Flyscreen)
Weather Performance	Independently tested to BS EN 13030
Additional Testing	BS 6180:2011 Barrier Loading
Frame Options	Glazed-in, Flanged, Box Frame
Finish Options	Polyester powder coated to project requirements
Optional Features	Flyscreen, Birdguard, Drainage Profile, Security Option
Typical Applications	Plant rooms, commercial ventilation, screening

AVS50 GL DR

Integrally Drained Louvre



Overview

The AVS50 GL DR is an integrally drained aluminium louvre system developed for glazed applications where effective airflow and water management are equally important. Its innovative drainable blade design allows water collected within the louvre to be directed into the existing drainage system of compatible window or curtain wall systems.

The system is particularly suited to exposed elevations and projects where improved weather resistance is required, while maintaining the same architectural appearance and ventilation performance expected from the AVS50 range.

Typical Applications

- Window systems
- Curtain walling
- Healthcare buildings
- Education facilities
- Commercial developments
- Exposed elevations

Key Features

- Integrally drained blade design
- Designed for glazed applications
- Improved water management
- High ventilation performance
- Bespoke sizes available
- Polyester powder-coated finishes
- Flyscreen and enhanced security options

AVS50 GL DR Specification Snapshot

Specification	Detail
Blade Pitch	50mm
Overall Depth	66mm
Free Area	50%
Airflow Performance	Mean Ce 0.202
Weather Rating	Class A (Fibreglass Mesh) / Class B (Stainless Steel Mesh)
Drainage	Integrally drained blade design
Frame Options	24mm & 28mm Glazed-in Frames
Finish Options	Polyester powder coated to project requirements
Optional Features	Flyscreen, Birdguard, Security Option, Blanking Panels
Typical Applications	Curtain walling, glazing systems, exposed elevations

Acoustic Louvre System



Overview

Acoustic louvre systems are designed for projects where ventilation is required without compromising noise control. By reducing sound transmission from mechanical plant and ventilation equipment while maintaining effective airflow, they provide an ideal solution for noise-sensitive environments.

Available in a range of acoustic performance levels and configurations, acoustic louvres can be specified to suit the performance requirements of each individual project while integrating seamlessly with the surrounding building design.

Typical Applications

- Plant rooms
- Rooftop plant
- Service compounds
- Generator enclosures
- HVAC screening
- Commercial and industrial buildings

Key Features

- Designed to reduce sound transmission
- Effective ventilation performance
- Multiple acoustic performance options
- Standard and Chevron blade configurations
- Bespoke sizes available
- Wide range of finishes and frame options

Acoustic Louvre Specification Snapshot

Specification	Detail
Louvre Types	Standard & Chevron
Acoustic Performance	Up to Rw 21dB (depending on system)
Construction	Galvanised steel frame and blades with mineral wool acoustic infill
Frame Options	Flanged or Glazing Frame
Finish Options	Polyester powder coated (where applicable)
Optional Features	Birdguard, Insect Screen, Blanking Plate, Flashings
Typical Applications	Plant rooms, rooftop plant, service compounds, generators

Project Support

Every project presents unique ventilation, performance and aesthetic requirements. Finish Architectural works closely with architects, contractors and facade specialists to provide aluminium louvre solutions tailored to the specific needs of each development.

Our systems are available in bespoke sizes and configurations, with a range of frame options to suit window systems, curtain walling, facades and external wall applications. A comprehensive selection of polyester powder-coated colours and specialist finishes allows each system to integrate seamlessly with the wider architectural design.

From initial enquiry through to project completion, we provide technical guidance, specification support and drawings to help identify the most appropriate louvre solution for your application. Our aluminium louvre systems can also be specified through NBS Source, making it easier to incorporate them into project specifications.

Typical Applications

Our aluminium louvre systems are suitable for a wide range of commercial, industrial and residential projects, including:

Plant Rooms

Provide effective ventilation while protecting mechanical services and maintaining a clean external appearance.

Rooftop Screening

Conceal rooftop plant and equipment while allowing the airflow required for efficient operation.

Window & Curtain Wall Systems

Designed for glazed applications where ventilation and weather performance are key project requirements.

Acoustic Screening

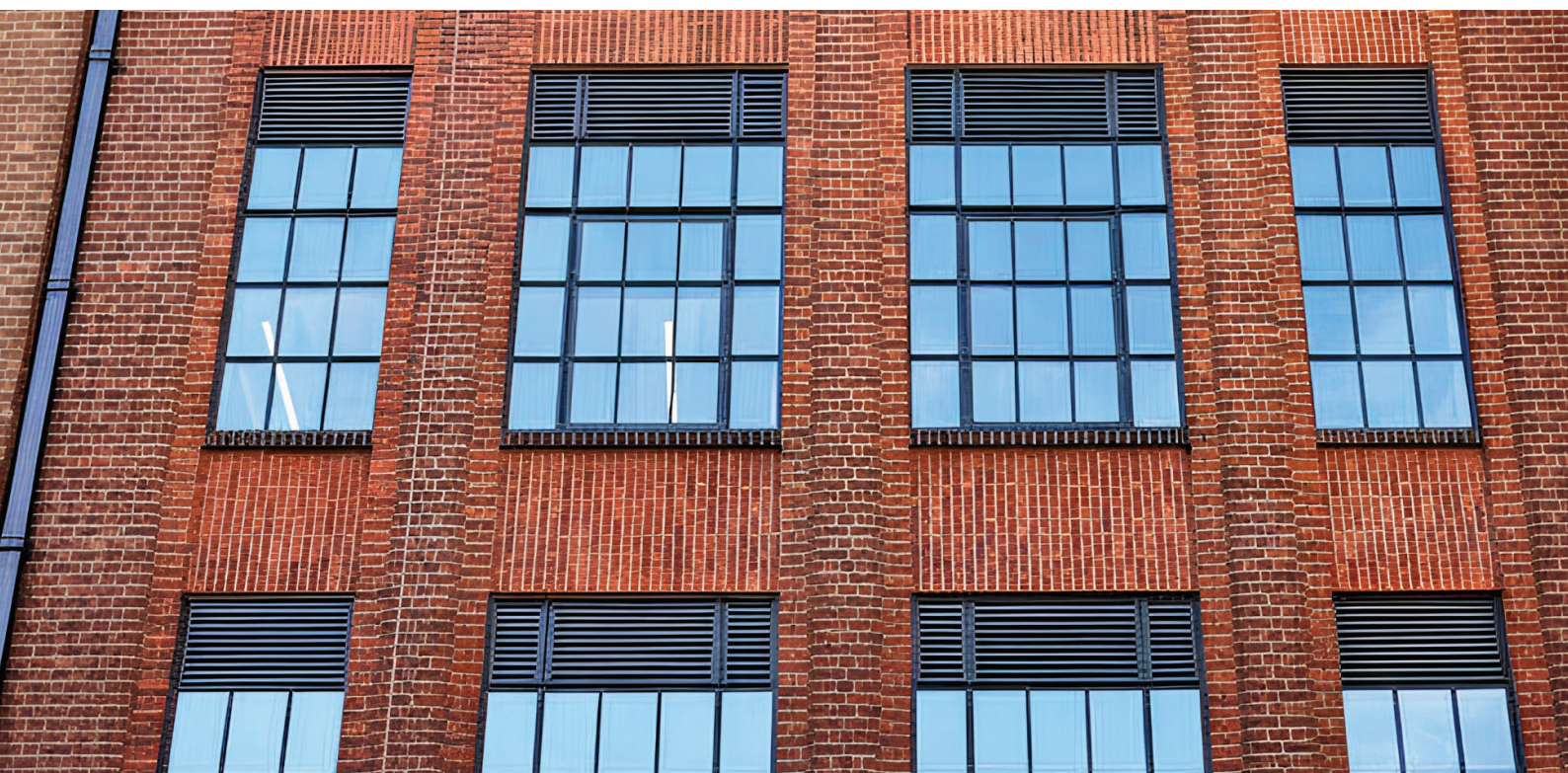
Reduce noise transfer from plant and mechanical equipment while maintaining effective airflow.

Acoustic Screening

Reduce noise transfer from plant and mechanical equipment while maintaining effective airflow.

External Service Areas

Suitable for compounds, service yards and utility areas where ventilation, screening and durability are required.





Why Choose Finish Architectural?

Finish Architectural provides a complete aluminium louvre solution, supporting projects from initial enquiry through to specification and supply.

Working closely with architects, contractors and facade specialists, we help identify the most appropriate louvre system for each application, ensuring it meets the project's ventilation, aesthetic and performance requirements.

Our service includes:

- Bespoke aluminium louvre solutions tailored to project requirements
- A comprehensive range of frame options, sizes and finishes
- Technical guidance and specification support
- Assistance with drawings and product selection
- Integration with facade systems, glazing and external wall packages
- Reliable project support from enquiry through to supply

Need Support Specifying Aluminium Louvres?

Whether you're at the early design stage or finalising a specification, our team is here to help.

Available on NBS Source

Our aluminium louvre systems can be specified directly through NBS Source, helping streamline the specification process with access to up-to-date product information and technical documentation.

Contact Finish Facades to discuss your project requirements and find the most appropriate aluminium louvre solution for your application.



FINISH
Group



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