

NOISE HAVENS

Wakefield Acoustics offers a range of noise havens which are designed to provide respite for operators in noisy environments.



Wakefield acoustics recognises that it is not always feasible to treat noise at source, particularly in some environments where there are multiple noise sources contributing to the overall exposure experienced by operators. In such cases, noise havens can be installed which are designed to offer respite for operators in noisy environments. For over 30 years, Wakefield Acoustics have been working closely with its clients to address complex noise problems across a wide range of industries including power generation, water and waste treatment, process industries, chemical, and general manufacturing and commercial.

CONSTRUCTION

Wakefield Acoustics offers several types of noise haven construction dependant on application and structural requirements:

- **PANEL TO PANEL BOLTED CONSTRUCTION CAN BE UTILISED FOR SMALLER HAVENS FOR ONE OR TWO OPERATORS.**
- **LARGER HAVENS FOR MULTIPLE OPERATORS CAN BE CONSTRUCTED FROM INTERMEDIATE PANELS MOUNTED IN A FRAMEWORK, OFFERING MORE STRUCTURAL RIGIDITY.**

Standard acoustic panels are manufactured from a pregalvanised mild steel, or stainless steel, outer-skin which holds and retains an acoustically absorbent media such as mineral wool or polyurethane foam. The internal face of a standard panel is typically pre-galvanised mild steel, or stainless steel, perforated plate.

The acoustic media utilised in Wakefield Acoustics panels is inert, non-combustible, non-hygroscopic, vermin proof, and can be wrapped in a 'Melinex' water resistant membrane to prevent the ingress of moisture, oil, lubricants, and other contaminants.

ACOUSTIC PERFORMANCE

Based on the level of attenuation required, and the frequency spectrum of the source noise, noise havens can be designed to suit the individual application. Variations in panel construction and thickness, offering a range of sound absorption and transmission loss characteristics, allow Wakefield Acoustics to cost-effectively design noise havens to meet the most demanding of customer noise specifications.

NOISE HAVENS CAN BE DESIGNED TO OFFER ATTENUATION OF AIRBORNE NOISE IN EXCESS OF 45 DB(A), DEPENDANT ON SOURCE NOISE FREQUENCY SPECTRUM.

SUITABLE FOR A WIDE RANGE OF INDUSTRIES:

- POWER GENERATION
- WATER & WASTE TREATMENT
- PROCESS INDUSTRIES
- CHEMICAL
- GENERAL MANUFACTURING
- COMMERCIAL

OPTIONAL FEATURES



ACCESS

- Single and double leaf, hinged and sliding doors for personnel access.
- Havens can be designed to be fully demountable providing the capability to dismantle and reposition in an alternative location.

VENTILATION

- When required, fan assisted ventilation can be incorporated to provide the required number of air changes.
- Stand alone air conditioning units are available on request.

LIGHTING

- Fluorescent tube light fittings and switches are available on request. Any associated electrical wiring is usually provided by others.

VIEWING PANELS

- Viewing panels are typically manufactured from laminated safety glass housed in a satin anodised aluminium frame.
- Options for wired glass, Perspex and polycarbonate windows are available on request.

FINISH

- A range of polyester powder coated, and wet spray paint finishes are available in all standard RAL and BS4800 colours.
- Alternatively, our noise havens can be manufactured in stainless steel or plastic coated steel.

INSTALLATION

In addition to the design and manufacture services offered, Wakefield Acoustics can provide a professional and skilled installation service compliant with all relevant and current health and safety standards. Our installation engineers are highly qualified, holding CSCS cards and other application specific safety standard certification.

ABOUT WAKEFIELD ACOUSTICS

With over 30 years experience and expertise across a wide range of sectors, Wakefield Acoustics is an internationally renowned company specialising in the design, manufacture and supply of acoustic products and solutions for a wide variety of industrial, commercial and environmental applications worldwide.

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