Acoustic Barriers & Screens

agsnoisecontrol.co.uk

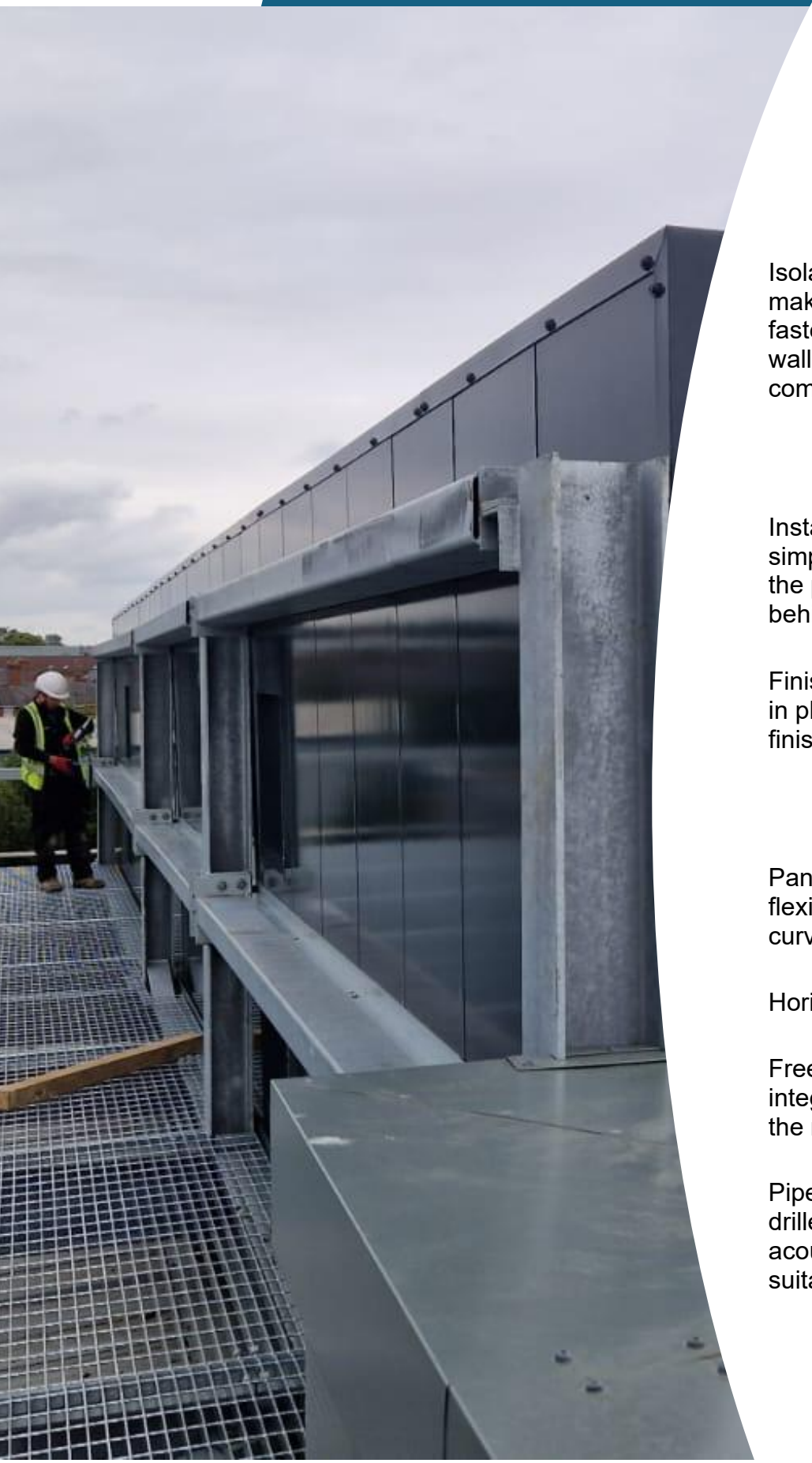
- ✓ High Acoustic Performance
- ✓ Rapid Installation
- ✓ Class A Absorption
- ✓ Corrosion Resistant Finishes
- ✓ Horizontal or Vertical Installation
- ✓ Readily demountable
- ✓ Precoated
- ✓ Free draining

Flexibly engineered for all environments with a range of acoustic applications

- HVAC Plant Screens
- Environmental Acoustic Walls
- Industrial Screens and partitions
- Waste & Water Treatment
- Manufacturing
- Power Generation

AGS NOISE CONTROL

30-70 dB Rw



Installation

Efficiency

Isolamin's patented connecting system makes installation duration up to 5 times faster compared to a normal site-built wall. Saving time and cost when it comes to installation.

Typical Installation

Installed with a base channel and trims, simply use self-drilling screws through the panel into the purlin/structure behind.

Finish with top & side channels fastened in place to provide a weatherproof finish.

On site flexibility

Panels can be cut on site allowing flexible, tight solutions. e.g. to match the curve of a roof.

Horizontal or vertical panel installation.

Free standing panels can be seamlessly integrated with a foot system to avoid the need for any roof penetrations.

Pipework penetrations can easily be drilled through the panel and acoustically sealed where needed with suitable split plates.

ACOUSTIC PERFORMANCE

Overview

Isolamin's acoustic panel system has been

thoroughly tested and has readily available test data.

The panels range from 30-70 Rw (lab-tested) in single or double wall configuration.

With various thicknesses and finishes available to suit the project's requirements and achieving compliance with Noise Impact Assessment criteria.

Acoustic Absorption

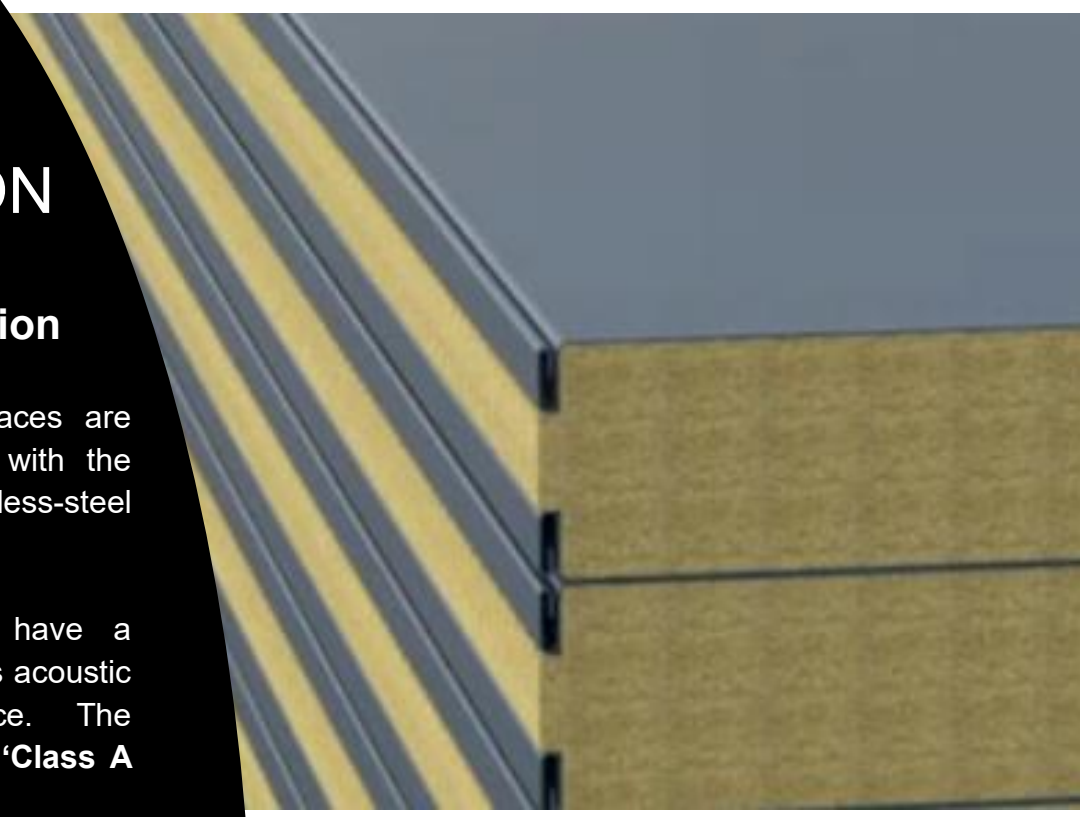
Our perforated panels are rated as 'Class A absorption', increasing acoustic performance by reducing noise reflections.

Acoustic Performance

With a double panel construction, AGS can achieve up to a 70 dB Rw.

	Frequency (Hz) Insertion Loss (dB)					Rw (dB)
Panel Type	**125**	**250**	**500**	**1000**	**2000**	**-**
PA33CL50	21.3	26.9	29.0	34.2	37.2	**33**
PA33CL50P	20.6	25.9	32.1	36.4	36.7	**34**
PA33CL80P	17.9	24.8	33.2	38.0	42.6	**36**
PA33CL100P	20.8	30.8	34.2	38.4	42.9	**37**
PA39CL100P	24.3	31.1	37.6	39.8	36.2	**39**
PA39CES100	29.0	34.1	39.3	41.1	45.9	**41**
PA100G80	45.6	60.9	75.2	83.0	79.3	**70**

PANEL CONSTRUCTION



Standard Construction

Both interior and exterior surfaces are formed from galvanised steel, with the option of a precoated or stainless-steel finish.

The interior steel face can have a **perforated finish;** this enhances acoustic absorption inside the space. The perforated panels are rated as **'Class A Acoustic Absorber'.**

Between the steel surfaces there is a dense mineral wool infill (~180kg/m^3).

Standard panel widths are 565mm or 1180mm, with the height of the panel custom to the needs of the project up to 6m.

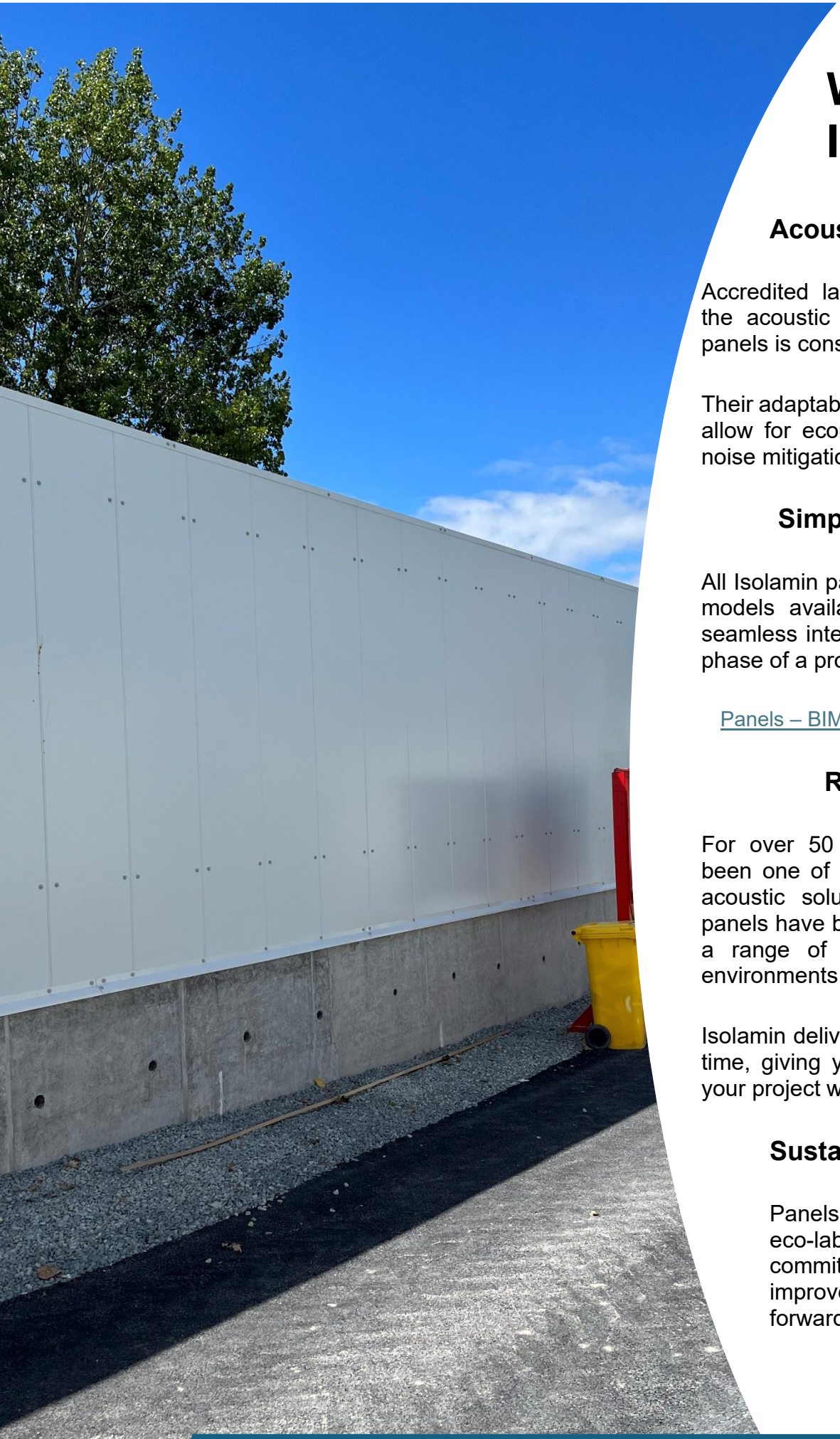
Finishes

Four standard finishes and custom colour finish available.

A durable **corrosion resistant 'Magnelis'** option is available, this improves the panel's lifespan in harsh environments, i.e. coastal, offshore, chemical plants.

Fire resistant panels are also available.

Compatible with door or windows. Both of which AGS's skilled fabricators can manufacture in-house. It is recommended to use AGS Acoustic Doors & Windows with the panel system.



Why Specify Isolamin?

Acoustic Performance

Accredited lab- testing proves that the acoustic performance of these panels is consistent and reliable.

Their adaptability and variety of finish allow for economical options for all noise mitigation solutions.

Simple Modelling

All Isolamin panels have CAD & BIM models available, which aids their seamless integration into the design phase of a project.

Panels – BIM (Revit) & CAD – Isolamin

Reliability

For over 50 years, Isolamin have been one of Europe's most reliable acoustic solutions suppliers. Their panels have been tried and tested in a range of internal and external environments.

Isolamin deliver on time 100% of the time, giving you the peace of mind your project will not be delayed.

Sustainability

Panels are CE Classified and eco-labels signify Isolamin's commitment to further improve sustainability moving forward.

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