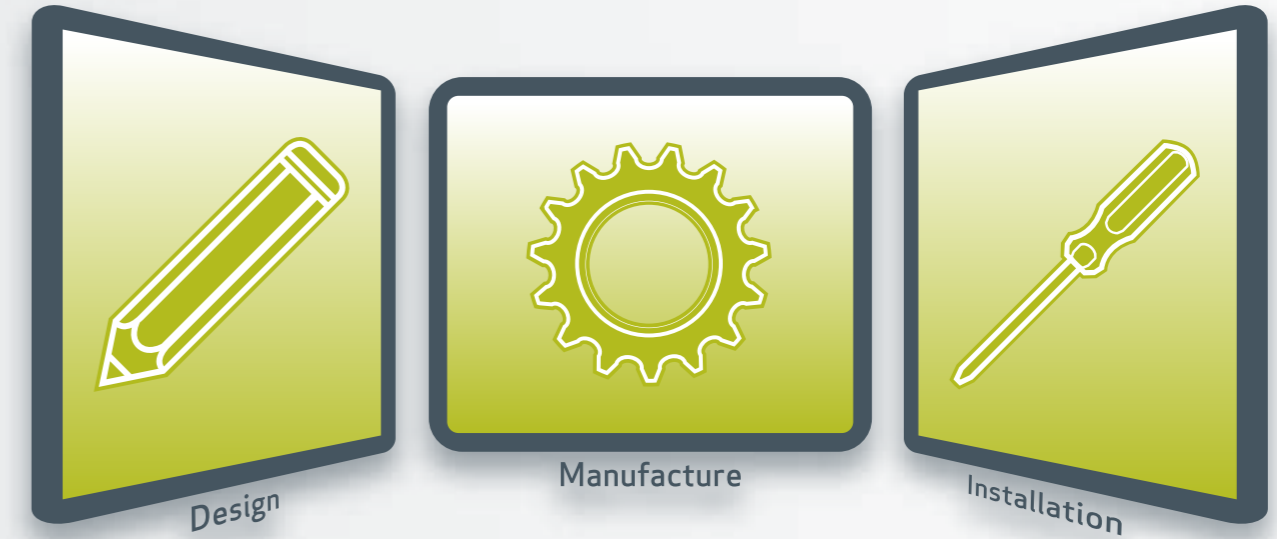




**Puracoustic**<sup>®</sup>

Professional Acoustic Panelling Systems



## About Us

Puracoustic is a specialist provider of insulated acoustic panels. We are part of the Gilcrest Group which is based in Bristol and consists of three other businesses – Stancold, Panel Projects and ProjectLink.

We offer our customers a one stop shop for all acoustic requirements – from planning and design through to manufacture and installation.

As part of Gilcrest, which has been established since 1946, customers can be assured that we will deliver a high quality product and service on time and on budget.

### Sound Reflection

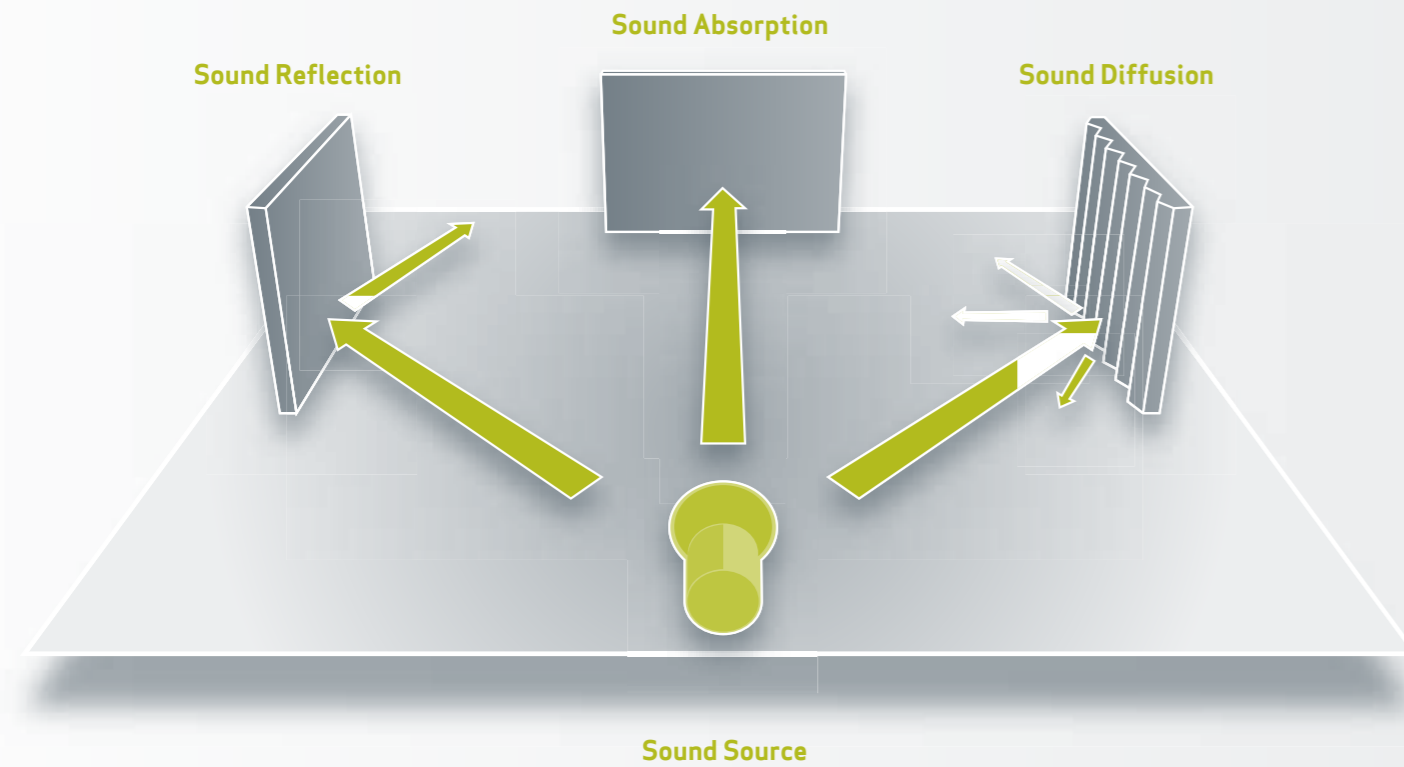
Sound reflection is most commonly experienced as an echo where a sound wave is reflected back to its source with sufficient strength and time lag to be separately distinguished. An echo that is reflected again and again from different surfaces is called reverberation and this can be a common cause of poor acoustic performance in any large area with lots of hard reflective surfaces.

### Sound Absorption

Sound absorption is where the primary wave of sound hits a material and is absorbed rather than reflected. The thicker and more fibrous the acoustic material used, the better the absorption.

### Sound Diffusion

Sound diffusion is the process by which a sound wave is distributed into a space – the more uniformly distributed sound pressure is, the better the diffusion. This is important in areas such as concert halls, classrooms and studios, to avoid places where the sound is weak due to dead spots. Diffusers are used instead of, or in addition to, sound absorbers because they do not remove sound energy but can effectively reduce distinct echoes and reflections.



## Understanding Acoustics

Understanding the science of sound is vital when designing any space that will have specialist acoustic requirements. Sound is a sequence of waves of pressure which travels in all directions from its source until it reaches a barrier such as a wall or ceiling. As it hits a surface, three things can happen: it can be reflected back, absorbed or diffused.



## Quality of Sound



### Flanking

Flanking is airborne or impact noise that is transmitted indirectly from its source through windows, external walls, doors and corridors.



### Speech Intelligibility

Speech intelligibility refers to the accuracy with which a normal listener can understand a spoken word or phrase. Excessive noise and reverberation interferes with this, leading to a lack of understanding and comprehension of speech.



Both of these acoustic problems can be avoided by thorough planning at the design stage. It may be as simple as rearranging some of the build materials or may require a complete redesign by a professional acoustic consultant.

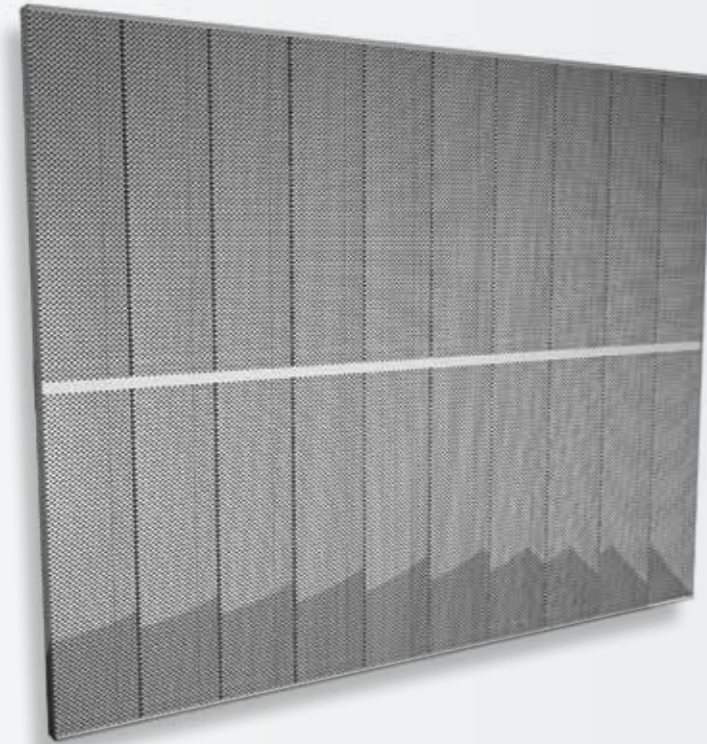
## Design Solutions

Puracoustic has a team of highly experienced and professional acoustic consultants that are able to offer assistance on all aspects of noise control. We can provide details of anticipated reverberation times (pre and post installation) for clients, architects and contractors as well as undertake noise surveys, concept evaluation and specification recommendations.

We are also able to carry out a variety of tests both before and after our acoustic panels have been installed, including sound measurement and technical analysis.

Our consultants have strong problem solving skills in a range of acoustic applications and always aim to provide the most cost effective solution.

We understand that different projects have different requirements so we offer a wide range of standard acoustic panels. We can also offer bespoke solutions which can be tested to acoustic and fire rated specification.



## Delivering Acoustics



# Quality Manufacturing



## Manufacturing Expertise

Puracoustic is part of the Gilcrest Group, which consists of three other businesses – Stancold, Panel Projects and ProjectLink. Panel Projects is a highly respected specialist producer of composite panels and the new Puracoustic team builds on this expertise to offer acoustic panel solutions.

The Puracoustic design team is made up of CAD experts that can generate professional designs and specifications for all acoustic requirements. Our flexible manufacturing process – certified to ISO 9001 for both product and quality systems – allows us to offer an extensive choice of high quality acoustic panels, trims, cappings and ancillaries as well as bespoke solutions.

At Puracoustic we work with you to design a product that meets all your needs without compromising on aesthetics or physical properties. We work with an extensive range of core materials and faces to offer a solution for every application and specification. We pride ourselves on the quality of our products and services and work to the high standards and regulations issued by the Loss Prevention Certification Board (LPCB). We are also a member of the Institute of Acoustics.



Assessed to ISO 9001 Certificate No.881

## Installation

Puracoustic offers its clients a complete acoustic package – from planning, design and manufacture to installation by our skilled workforce.

Our installation process is regulated by our ISO 9001 certification and highlights our commitment to quality and service. It is also CHAS and SAFEcontractor health and safety accredited, both of which are leading health and safety pre-qualification assessment schemes dedicated to promoting higher standards of competence and compliance.

## Testing

### Onsite

The requirement for onsite testing is usually stipulated by local authority or architect specification. We are able to provide onsite tests to ensure acoustic compliance.

### Offsite

Offsite testing may be required for bespoke applications. We are able to test any acoustic products to ensure acoustic and fire rated compliance. To ensure compliance, we can also construct your acoustic solution in a test centre or at our modern factory in Bristol.



# Professional Application



## A Responsible Business

We are committed to reducing our impact on the environment and see corporate responsibility (CR) as an integral part of how we do business. Our CR goals are embedded in the future growth and innovation strategies of Puracoustic.

We undertake regular environmental audits of activities in order to help us continually improve our performance and are dedicated to best environmental practice, from sourcing raw materials through to installation.

We use an extensive range of recycled and recyclable materials such as our mineral fibre cores, which contain 37 per cent recycled material. They are one of the best performing cores in terms of environmental impact and are also free from CFCs, HCFC and any other harmful gases.

The way in which Puracoustic panels are designed and installed helps to improve insulation within a room, which in turn helps to reduce heat loss, energy costs and carbon emissions. Our acoustic panels also help to control noise emissions into the environment.





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