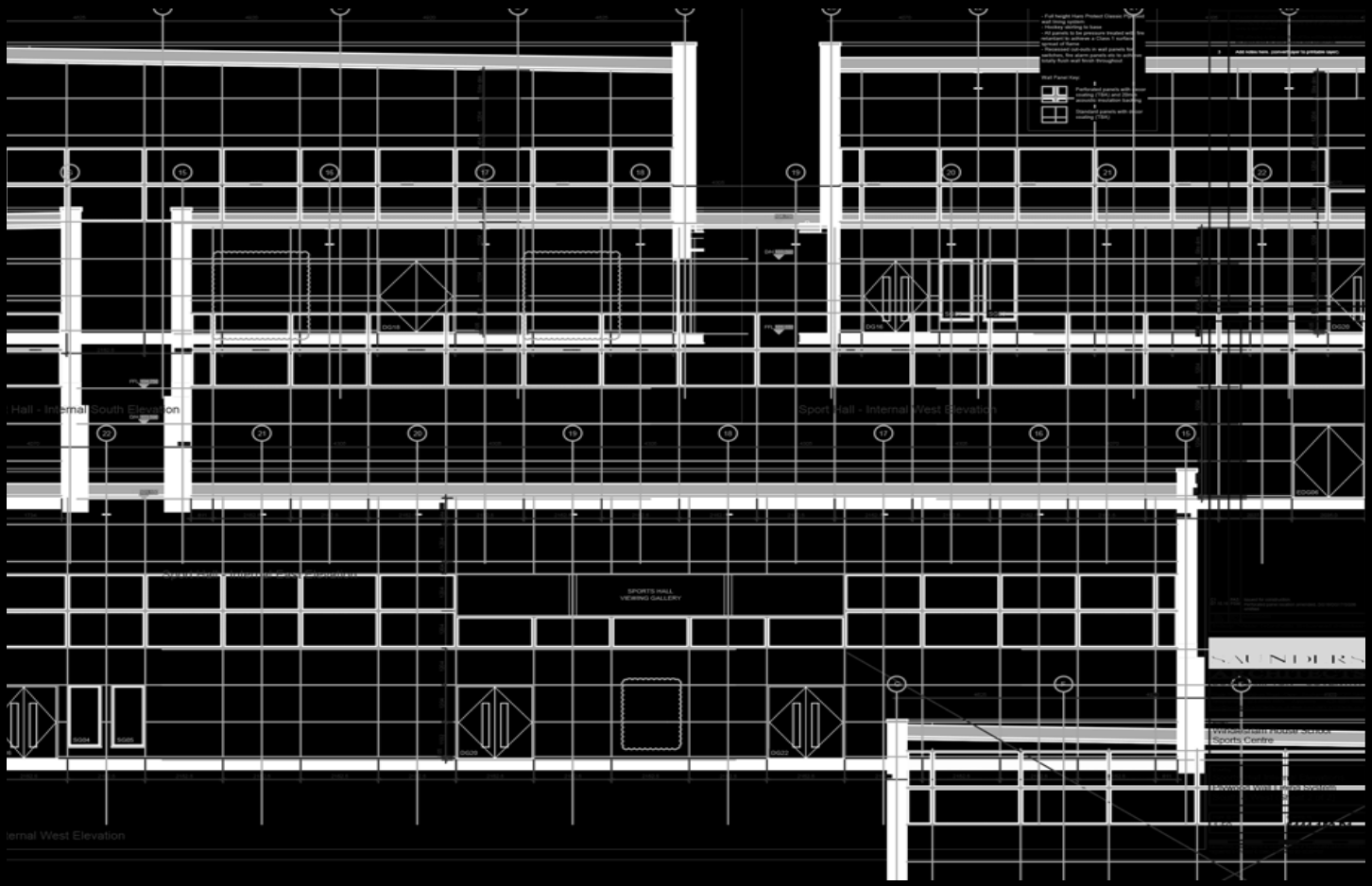
Internal Sports Wall Panels



- Sports Flooring
- Acoustic Walling
- Track & Gym
- Maintenance & Protection



With over 20 years' experience, are leading providers of indoor sports solutions including sports walling, sports flooring, track and gym

We provide the specification, supply and installation of premium sports systems, enabling us to offer solutions that perfectly meet both the needs of a facility and its users.

Our panels provide a durable and cost-effective solution when installed from floor to soffit.

Our premium sports wall panels come pre-finished in a range of colours or wood effects, making them easy to clean, highly durable and decorative.

Using perforated acoustic panels creates an ideal environment for sport.

What We Offer

- Manufacture, supply & installation
- Network of UK approved installation partners
- Supply only via direct
- Panels certified for sports environments
- Solid & Perforated (Acoustic) wall panels
- Easy fix, clip system
- Fire-Rated Panels & Factory Applied Finishes



Our Credentials



- Over 20 years supporting British Sport
- Member of the Sports Facilities Group (SFG)
- Meets Sport England requirements
- Fully FSC & PEFC certified
- RIBA Product Selector, BIM & NBS Source
- SAPCA Indoor Sport Members
- National Governing Body (NGB) Supply Partnerships

Introduction

Internal Sports Walling panels are both durable and cost effective and can be fitted from floor to soffit. Perforated (Acoustic) Sports panels can be easily incorporated above door height to provide an acoustic solution.

Additionally, Fabric Acoustic Panels can be fitted directly onto any solid wall to provide an instant acoustic Class A sound reduction solution, ideal for refurbishment projects.

DYNAMIK Internal Sports Wall Panelling

The Panels provide a highly decorative and durable solution for busy sports hall environments. With high scratch, impact resistance and certified for sport, the panels are designed to be an integral component of the internal wall construction and can be fitted from floor to soffit.

Solid panels can be combined with Perforated (Acoustic) panels to provide a continuous, flush wall finish.

Principle Features

Durability & Impact Resistance – Provides superior impact and scratch resistance from balls, equipment and hall users.

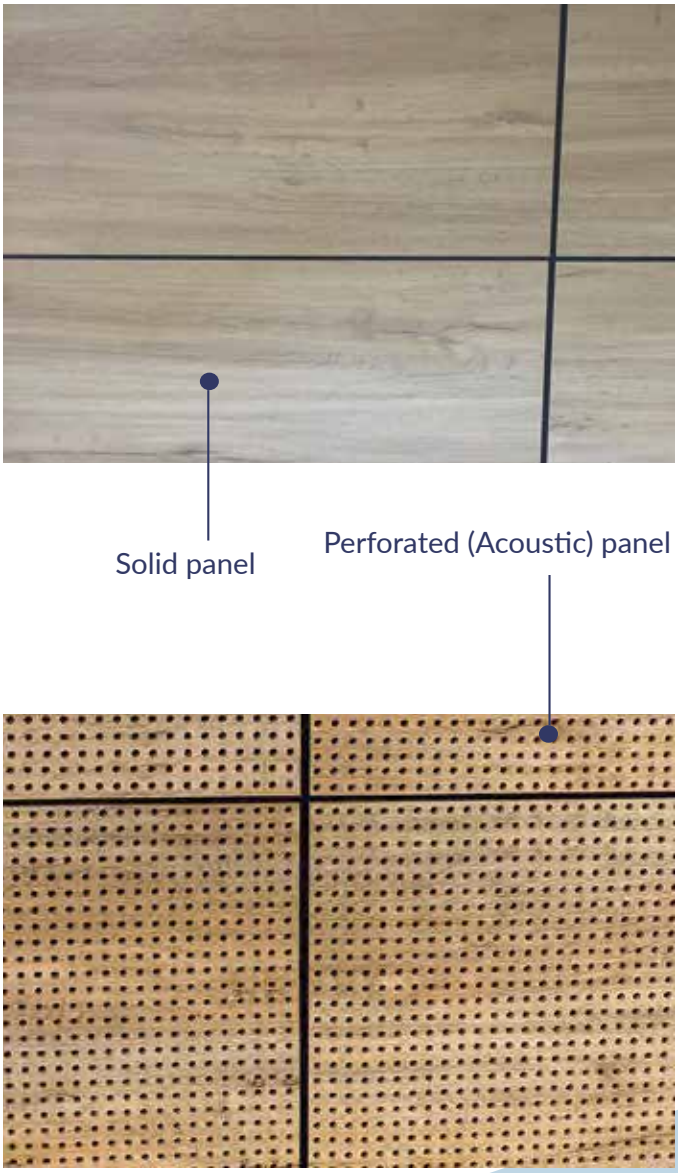
Time & Cost Savings – Can be installed in combination with structural SFS or timber studwork. This eliminates the need for blockwork and other wet trades.

Factory Finished – Every panel is factory finished with a low maintenance, UV resistant, durable surface that does not require re-finishing over the life of the product.

Secret Clip Fixings – The supplied secret clips offer a fast and easy panel installation which eliminate unsightly surface fixings.

Fire Performance – The panels are fire rated to comply with Building Regulations.

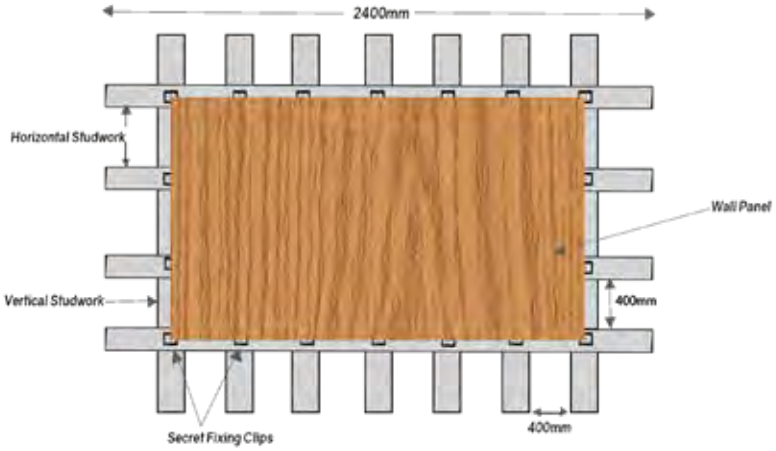
Colours - The panels are available in a range of standard colours or wood effects.



Fixings & Installation

The panel system is fixed to timber vertical/horizontal studwork. A black fleece is placed over the studwork to "effectively" hide the gap between the panels and make the black metal brackets appear "invisible". The panels are then installed using the supplied secret clips to ensure a consistent spacing between adjoining boards. Insulation must be incorporated behind the perforated panels only, this will achieve the required reverberation reduction and acoustic performance.







Technical & Performance Specifications - Solid & Perforated (Acoustic) Panels

Panel Face	Factory finished, available in a range of colours or wood effects
Panel Backing	Engineered Board
Fire Performance	Fire rated to European Class C
Panel Sizes (l x w x d)	Solid: 2400mm x 1200mm x 18mm / 2400mm x 592mm x 18mm Perforated: 2400mm x 1200mm x 18mm / 2400mm x 592mm x 18mm (Confirm prior to final design)
Compliance	Compliant with Building Regulations
Panel Weight	Solid Panels: 40.60kg / 19.92kg Perforated Panels: 38.72kg / 18.96kg
Acoustic Performance	Class C - Perforated panels with insulation

Acoustic Fabric Panels





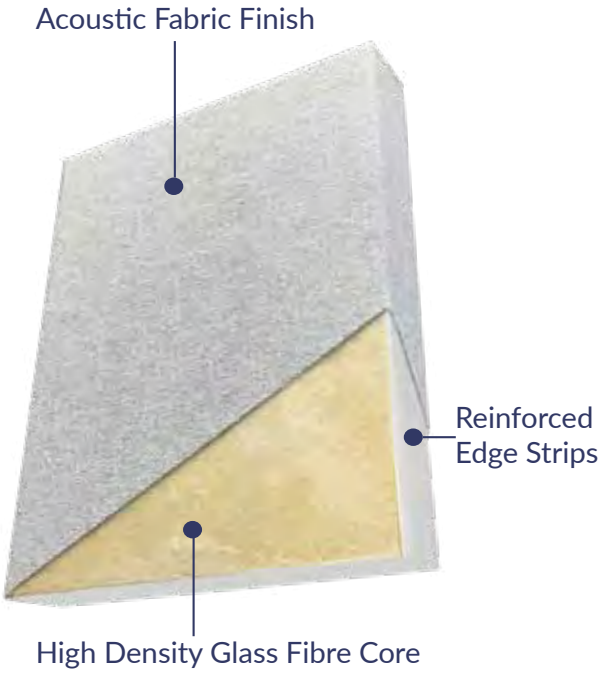
Durability & Impact Resistance – A high density glass fibre core designed for superior impact resistance from balls, equipment and hall users. Certified for sport usage.

Time & Cost Savings – The panels are easily installed to blockwork, studwork or plasterboard providing a cost effective acoustic solution ideal for refurbishment.

Channel-Free Fixing – The supplied impaling spikes offer a fast panel installation method and eliminate unsightly trim or corner fixings.

Fire Performance – The panels are fire rated to National Class 1 to comply with Building Regulations.

Colours - Panels are custom made in over 75 fire rated coloured fabrics to provide a modern appearance that complements the sports hall design.



Installation

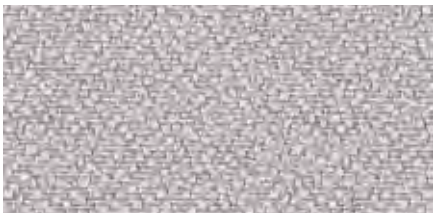
Installation is quick and easy since each panel only weighs 14.5kg and can be fixed to a range of solid surfaces including timber, concrete, masonry, or plaster. UK manufacture allows for a fast order-to-site process.

Technical & Performance Specifications - Acoustic Fabric Panel

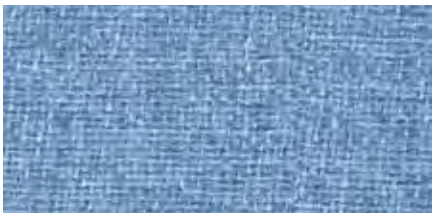
Panel Sizes	2700mm x 1200mm (Other panel sizes available on request)
Panel Depth	40mm
Panel Weight	4.5 kg / m^2
Fire Performance	National Class 1
Acoustic Performance	Class A (0.95 NRC)
Compliance	Building Regulations, ESFA & Sport England compliant

Fabric Finishes

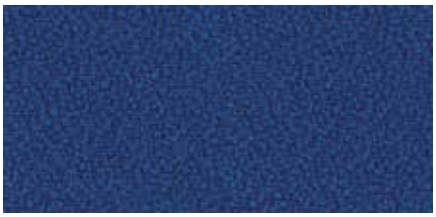
The Acoustic Sports Panels are available in a large range of coloured fire-rated fabrics including the following:



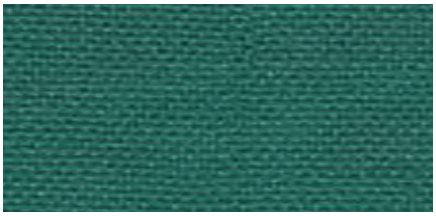
Rum



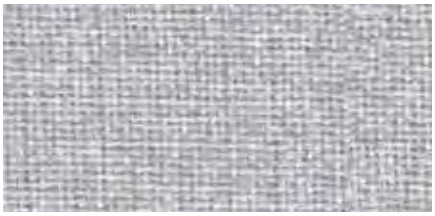
Dolphin



Ocean



Carron



Glass



Calypso

Colour & Wood-Effect Finishes

The Solid & Perforated Sports Panels are available in a wide range of wood-effect & solid colour finishes, including:



White Oak



Light Oak



Sonoma Oak

White

Light Ivory

Silver Grey



Light Grey



Grey



Sky Blue



Pastel Blue



Sage

Sport Hall Acoustics Explained

Performance Standard & Regulations

High sound levels are experienced within the majority of busy sports and activity spaces. To be able to communicate clearly, reductions in reverberation and acoustics benefits teaching staff, coaches, and players alike.



The overall objective of the acoustic performance standards is to ensure that the design and construction of school buildings, including sports halls provide acoustic conditions that enable effective teaching and learning.

It is accepted that noise and poor acoustic design have a detrimental effect on pupils' academic performance and teachers' vocal health.

Pupils with additional learning needs or hearing impaired pupils are particularly susceptible to the negative effects of poor acoustic design.

Practically speaking this means reverberation time (Tmf).

What Do We Mean By Reverberation Time?

Reverberation time is one of the key determinants of room acoustic quality, and the factor to control with regard to sound absorption. It is the time it takes for a sound to reduce by 60db within a given space. It is measured at different frequencies since certain frequency ranges are more important than others.

How Can We Control Reverberation?

The amount of sound energy a material will absorb is known as the absorption coefficient.
Typically reverberation is controlled by introducing sound absorbing surfaces. More effective absorbers and increased coverage within a room will lead to lower reverberation times.

Practical Implications

Once the size of a room and the absorption characteristics of the finishes are known, an acoustician can predict the reverberation time. They can then calculate the amount and type of sound-absorbing material to be included to meet a particular room's usage and a designer's preference.

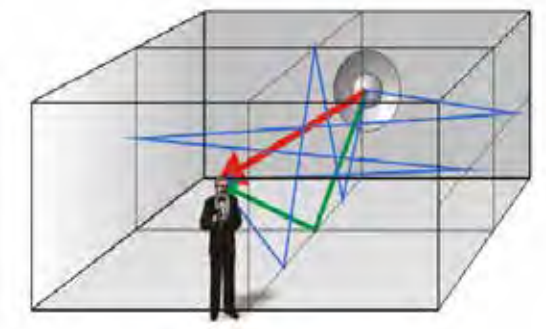
Apart from sport activities, sports halls are also used for exams and assemblies, acoustic demands are therefore very high and complex. Having large amounts of sound absorption is necessary to achieve a pleasing acoustic environment. The choice of materials is also essential as they need to be impact resistant.

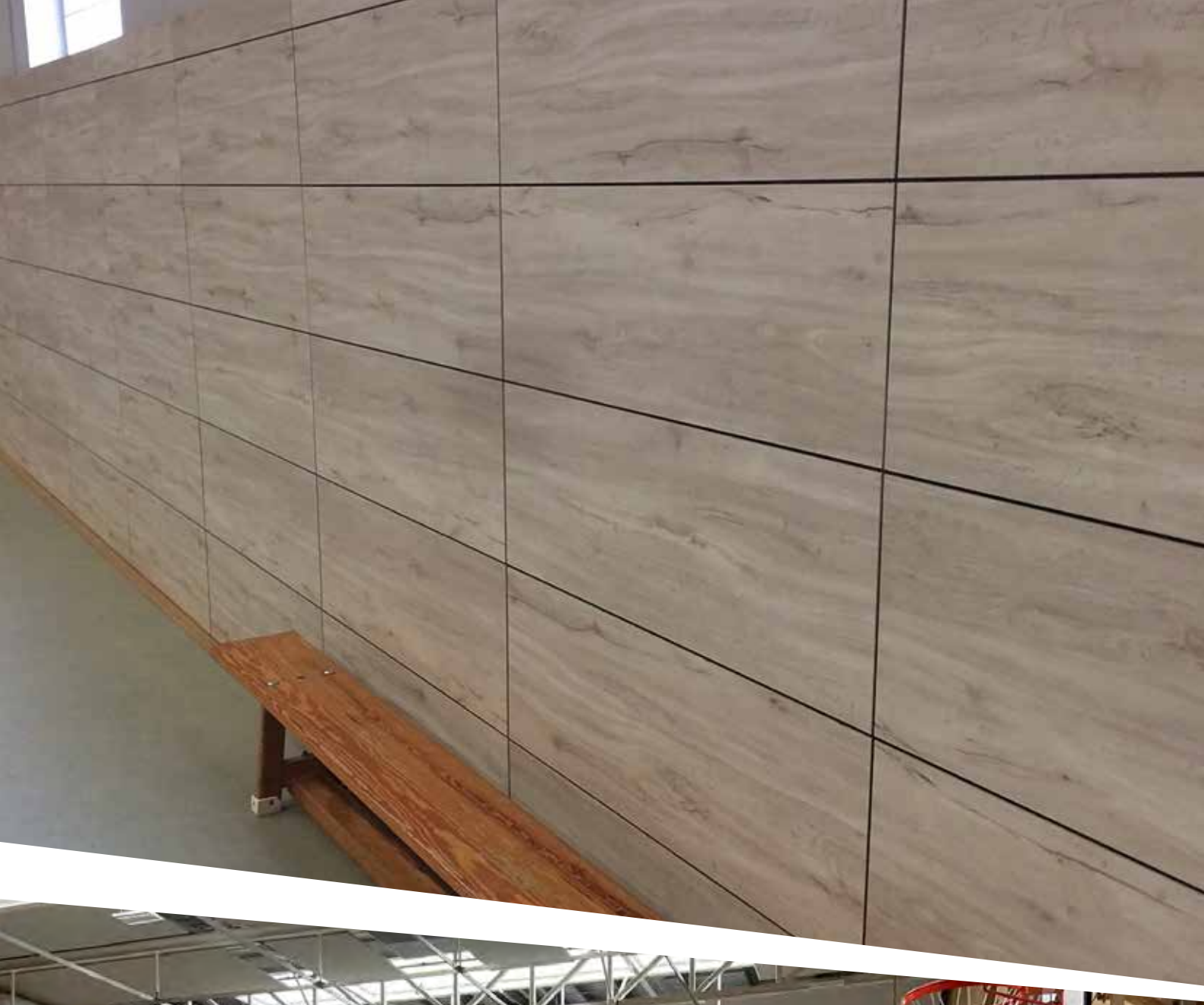
Sound absorption should be distributed within a room with a minimum of 25% from the walls, 30% from the soffit and the remaining 45% provided by finishes on any of the room surfaces. It is beneficial for the sound absorption materials to be installed at a lower level rather than higher to improve their effectiveness.

In our experience, sports teachers are more prone to having throat or voice issues than any other subject teachers, as they need to raise their voice due to high levels of background noise.

Good acoustic design is important because long reverberation times result in:

- *Low speech accuracy*
- *Excessive levels of background noise*
- *Raised levels of stress for users*
- *Controlling and management issues*











Recent Projects

Universities

- Cardiff Metropolitan University
- Manchester Metropolitan University
- Solent University, Southampton
- University of Bath
- University of Cambridge
- University of East London (UEL)
- University of Essex
- University of Gloucestershire
- University of Liverpool
- University of Oxford
- University of St Andrews
- University of Ulster, Belfast



Schools

- ACS Egham International School
- Box Hill School, Surrey
- Don Valley Academy, Doncaster
- Gateshead Academy for Sport
- Henlow Academy, Bedfordshire
- King's College School, Cambridge
- King Edward's School, Birmingham
- Lordswood Girls' School, Birmingham
- Loretto School, Musselburgh
- Mickleham School
- Millfield School, Street
- Merchant Taylors' School, Northwood
- North Oxfordshire Academy
- Queenswood, Hertfordshire
- St Helen and St Katharine, Abingdon
- The Marist Schools, Ascot
- The Windsor Boys' School





Colleges

- Barking & Dagenham College, London
- Brighton College, East Sussex
- Cheltenham Ladies College, Gloucestershire
- Dulwich College, London
- Ealing & Hammersmith College, London
- Emmanuel College, Gateshead
- Hartpury College, Gloucester
- Jane Austen College, Norwich
- Myerscough College, Preston
- Newbold College of Higher Education, Berkshire
- Perth College (University of the Highlands and Islands)
- South Gloucestershire and Stroud College
- Torquay College, Devon



Leisure Centres & Other Projects

- Bury Roller Skating Arena
- Devon & Cornwall Police HQ
- English Institute of Sport, Sheffield
- Five Rivers Lesiure Centre, Salisbury
- Greenhouse Sports Centre, London
- Leicester Riders Arena
- Malmsbury Sport Centre
- National Basketball Performance Centre, Manchester
- National Centre for Circus Arts, London
- Onside Youth Zone Nationwide Projects
- Poplar Baths Leisure, London
- R.A.F. Digby

Supply Partners:

Tarkett

HARO

HERCULAN

MONDO

ASB GlassFloor

Members of:

SFG Sports Facilities Group

NBS Source

SAPCA