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ACOUSTICS

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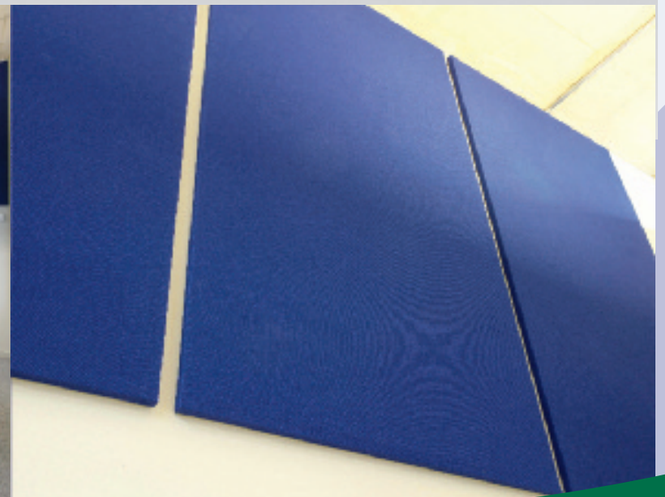
SuperPhon®

Sound Absorption & Reverberation Control

contents

The SuperPhon® Range



SuperPhon® Wall Panels Full or Partial Coverage

SuperPhon® is a flexible solution that can be tailored to any sort of environment. It can provide complete wall coverage or it can provide partial wall coverage. The fundamental attraction of SuperPhon® is its adaptability.

With a wide selection of colour finishes and installation options, the SuperPhon® range provides an aesthetically pleasing reverberation solution for a range of applications.

Suitable applications for wall mounted SuperPhon® Wall System and Panels include:

- Recording studios
- Audiology rooms
- Commercial premises
- Schools
- Offices
- Churches
- Halls
- Reception areas
- Cinemas and theatres
- Call centres and conference rooms
- Public entertainment facilities

Benefits

- Provides up to Class 'A' performance
- 88 colours available over two ranges
- Wipe clean finish available
- Bespoke manufacture
- Complete range of fixing systems
- Free reverberation calculation service
- Installation service can be provided through approved contractors
- Full technical and on-site support

Design flexibility

The SuperPhon® range is available in standard sizes and thicknesses, and bespoke panels and absorbers of a specific size, thickness, shape or fabric facing can be readily manufactured. As well as the broad offering of standard fabric colours, panels can be colour matched to any chosen fabric.

Bespoke installation options

SuperPhon® systems can be installed using a range of permanent, non-permanent, visible or non-visible fixings. Ranges include metal fixing plates, adhesive, Rotofast anchors, Easy Fix System and Velcro. CMS Danskin Acoustics provides installation guidelines with each product.

Physical information

SuperPhon®	Wall System and Panels
Thickness	25mm and 50mm Other thicknesses available on request
Max panel size	3000mm x 1200mm Subject to fabric limitations
Standard sizes*	1200mm x 1200mm 1500mm x 1200mm 1800mm x 1200mm 2100mm x 1200mm 2400mm x 1200mm 2700mm x 1200mm 3000mm x 1200mm
Weights	3.25kg/m² for 25mm panel 5.00kg/m² for 50mm panel

*Other sizes available on request

For technical information and installation details, please see our Technical Data Sheets

SuperPhon®
High Impact Wall Panel
Absorption & Impact Resistance

SuperPhon® High Impact Panels have been specifically developed to provide attractive reverberation solutions for areas of high traffic or where surface impact is expected.

SuperPhon® High Impact Panels are manufactured to exact project requirements. They are made from sound absorbent, non-combustible glass fibre board with an impact resistant front face wrapped under the fabric. However, this technical precision does not mean that they are any less aesthetic. As with other CMS solutions, the panels provide an attractive finish to both new builds and retrofits.

SuperPhon® High Impact Panels combine effective absorption with impact resistance, making them ideal for:

- Schools
- Leisure centres
- Exhibition centres
- Offices

Physical information

SuperPhon®	High Impact
Thickness	25mm, 37mm and 62mm
Max panel size	3000mm x 1200mm

Benefits

- Provides up to Class 'A' performance
- 88 colours available over two ranges
- Wipe clean finish available
- Bespoke manufacture
- Free reverberation calculation service available
- Installation service can be provided through approved contractors
- Full technical and on-site support

Accreditation

SuperPhon® High Impact panels have been tested and certified by the CST Global Centre for Sports Technology, a UKAS approved test house (also approved by the ISSS, World Squash Federation and ITF) and is certified to DIN 18032-3 for impacts in Sports Halls and Gymnasiums for multi-purpose use, by balls including footballs and hockey balls.

SuperPhon® High Impact panels are also certified to EN15312 for repeated impacts by footballs and hockey balls (1000 impacts at 50Kg).

For technical information and installation details, please see our Technical Data Sheets

SuperPhon® Ceilings
High Impact Grid

SuperPhon® High Impact Grid Panels have been specifically developed to provide an attractive reverberation control solution for areas of high traffic or where high levels of surface impact are expected. They provide Class A acoustic performance suitable for lining ceilings in many varied applications.

Physical information

SuperPhon®	High Impact Grid
Thickness	50mm
Panel size	1200mm x 600mm

- Gymnasiums and sports halls
- Prisons
- Mental health institutions
- Public areas, i.e. reception areas
- Offices, call centres and conference rooms
- Schools

Benefits

- Provides up to Class 'A' performance
- 88 colours available over two ranges
- Wipe clean finish available
- Bespoke manufacture
- Free reverberation calculation service
- Installation service can be provided through approved contractors
- Full technical and on-site support
- Range of fixing systems

For technical information and installation details, please see our Technical Data Sheets

SuperPhon® Ceilings – Ceiling Panels

SuperPhon® Acoustic Ceiling Panels adhere directly to walls and ceilings to offer a highly aesthetic and effective reverberation control solution.

Manufactured from lightweight melamine foam, the tiles are quick and easy to install and require no specialist equipment. The tiles can be cut on-site using a sharp knife, if required. Designed for all types of reverberant areas the tiles are particularly suited to schools, recording studios and acoustic enclosures.

- Schools
- Nurseries
- Conference rooms
- Recording studios
- Acoustic enclosures
- Offices

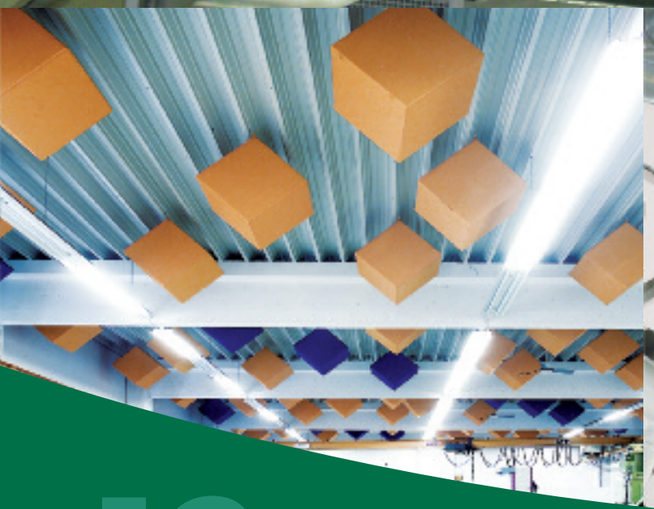
Physical information

SuperPhon®	Ceiling Panels
Thickness	40mm, 60mm, 80mm
Dimensions	595mm x 595mm or any size up to 1200mm x 600mm maximum
Material	CMS Melamine Foam

Benefits

- Reduce reverberation times to improve the listening environment
- Attractive coloured acoustic tiles adhere to walls or ceilings creating a simple and colourful solution
- Excellent sound absorption
- Fibre free
- Lightweight and easy to install

For technical information and installation details, please see our Technical Data Sheets



SuperPhon® Suspended Absorbers – Baffles/Rafts

In environments with continual activity, such as sports halls or busy workplaces, it may not be appropriate to apply sound absorption solutions at wall levels. The solution in these scenarios is often SuperPhon® Suspended Absorbers, Baffles or Rafts.

SuperPhon® Baffles/Rafts provide an effective means of controlling reverberation and reflected sound in rooms. It provides an ideal solution for environments and workplaces where noise can be an issue. For example, it is used widely in recording studios, sports halls, schools and call centres.

Design flexibility

SuperPhon® Baffles are available in standard sizes and thicknesses, and bespoke panels and absorbers of a specific size, thickness, shape or fabric facing can be readily manufactured. As well as the broad offering of standard fabric colours, panels can be colour matched to any chosen fabric.

SuperPhon® Suspended Absorbers

CMS Danskin Acoustics' range of SuperPhon® Suspended Absorbers are manufactured from either glass fibre or foam cores, creating a wide range of absorbers that can be suspended safely and discreetly, using a range of bespoke suspension methods. Of couse, the design of absorbers is totally flexible - so you could also choose to transform them into a striking design feature.

Benefits

- Provides up to Class 'A' performance
- 88 colours available over two ranges
- Wipe clean finish available
- Bespoke manufacture
- Free reverberation calculation service available
- Installation service can be provided through approved contractors
- Full technical and on-site support
- Range of fixing systems

Physical information

SuperPhon®	Baffles/Rafts and Suspended Absorbers
Thickness	25mm and 50mm Other thicknesses available on request
Max panel size	3000mm x 1200mm Subject to fabric limitations
Standard sizes*	1200mm x 300mm 1200mm x 450mm 1200mm x 600mm 1800mm x 300mm 1800mm x 450mm 1800mm x 600mm
Weights	3.25kg/m² for 25mm panel 5.00kg/m² for 50mm panel

*Other sizes available on request

For technical information and installation details, please see our Technical Data Sheets

PhotoPhon

For a really creative aesthetic feel, PhotoPhon gives you the flexibility to design any of the SuperPhon® range panels to a design that suits you. Using our special fabric, we can create a panel finish using your own choice of artwork.

It's your choice! Supply your high resolution images and let us manufacture bespoke and creative acoustic panels or we can create the finished artwork for you. There's absolutely no compromise on the acoustic performance.

Applications

- Apply images to any type of panel application
  - SuperPhon® High Impact Panels
  - SuperPhon® Suspended Ceiling Panels
  - SuperPhon® Baffles
  - SuperPhon® Wall Panels
  - Supply your own high resolution images or let us create the artwork for you
- Up to Class A acoustic performance

Bespoke installation options

SuperPhon® systems can be installed using a range of permanent, non-permanent, visible or non-visible fixings. Ranges include metal fixing plates, adhesive, Rotofast anchors, Easy Fix System and Velcro. CMS Danskin Acoustics provides installation guidelines with each product.

Physical information

SuperPhon® Wall System and Panels	
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For technical information and installation details, please see our Technical Data Sheets

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MH 10/2013 Issue 1

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