

SuperPhon

sound absorption and reverberation control



Uniclass			
L5161:N373:P91			
C/SfB			
(42)	Ry	(P3)	





INDEX

ceiling & wall panels	8
patented high impact wall panels	10
suspended absorbers	12
art	14
hardface - wall panels	16
installation solutions	18

SuperPhon

sound absorption & reverberation control

The CMS Danskin Acoustics SuperPhon Range provides 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.

our fabric

acoustic transparency

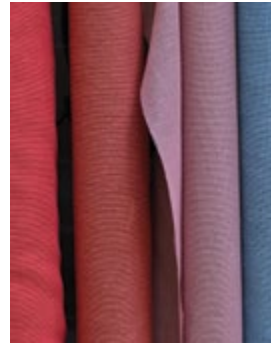
All our standard panel fabric is permeable, so it allows sound to pass through it and into the absorptive material of the SuperPhon panel itself.

panel tolerances

Standard panel tolerances (i.e. width and length +/-2mm).

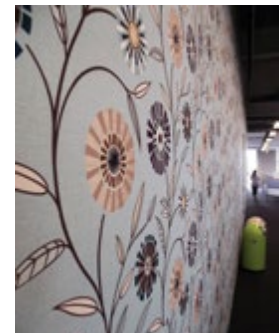
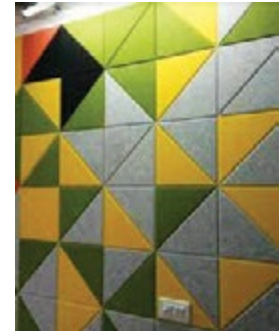
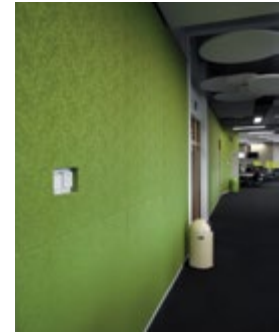
easy maintenance

See our 'Installation Guidelines' for a detailed breakdown of how to maintain and clean our fabric finishes.



bespoke design

SuperPhon is available in bespoke designs such as corporate identity, commercial or decorative designs and murals. Designs can be worked across multiple, adjoining panels.



our success

Our customer focused approach has successfully contributed to a diverse and prestigious set of sound absorption & reverberation control projects.



Teesside University Library
Suspended Absorbers



Moneypenny Call Centre
Ceiling Panels



Hydro Arena (Glasgow)
High Impact Wall Panels



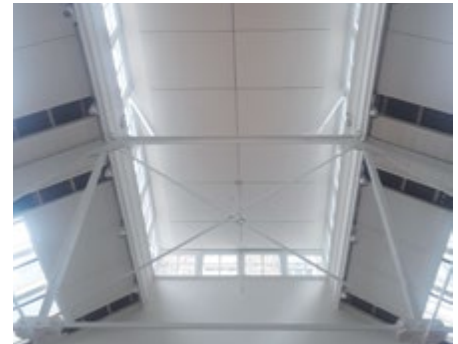
Redland Green School
Partial Wall Panel System



Liverpool Academy
Suspended Absorbers



Edinburgh Observatory
Ceiling Absorbers



Science museum
Ceiling Panels



Droylsden Academy
Wall Panels



Jodrell Bank
Suspended Absorbers



Money Penny
Polyester Wall Panels

ceiling & wall panels

Full or partial coverage

SuperPhon is a flexible solution that can be tailored to any sort of environment. It can provide complete or 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 control solution for a range of applications.



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.

See page 18 for more information.



Benefits

- Provides up to Class 'A' acoustic performance
- Extensive range of colours available
- Wipe clean finish available
- Bespoke manufacture
- Complete range of fixing systems
- Free reverberation calculation service
- Full technical and on site support
- Full acoustic accreditation available on request

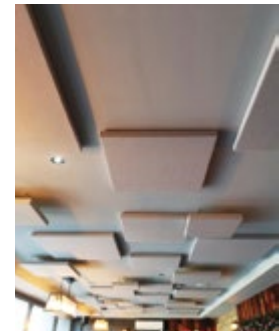
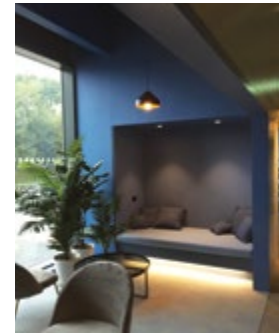
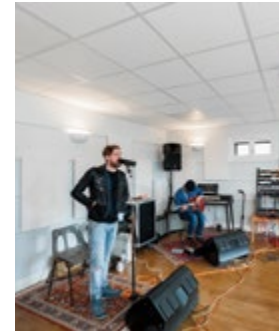
Suitable applications for wall mounted SuperPhon

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

SUPERPHON WALL PANELS

Thickness	25mm, 40mm & 50mm
Max single panel size (Other sizes available on request)	3000mm x 1200mm Subject to fabric limitations
Absorber weight	3.25kg/m ² for 25mm panel 4.00kg/m ² for 40mm panel 5.00kg/m ² for 50mm panel

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



patented high impact wall panels

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.

These highly robust panels are manufactured to order and finished with acoustic woven fabric to the front face and edges to deliver a high quality, aesthetic finish.



As a cost effective and highly acoustically absorbent system, with a patented high impact resistant layer, SuperPhon provides superior levels of sound absorption due to its unique construction that incorporates advanced micro swirl air cells within the panel that significantly enhance the sound absorption, particularly at the low end of the frequency spectrum. Therefore when the performance levels are put into the room calculator, less panel area is required compared to most other sound absorption panels on the market.

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). It passed to the highest measurable degree and is certified to EN 13964 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 EN 15312 for repeated impacts by footballs and hockey balls (1000 impacts at 50Kg).

Applicable Patent

Great Britain No.GB2550373A
“a sound absorbing impact resistant laminate”



Benefits

- Fully bespoke acoustic solution
- Impact resistant
- Provides up to Class 'A' acoustic performance
- Certified by CST Global Centre for Sports Technology
- Approved by ISSS, WSF and ITF
- Fitted solid to wall or 25/50mm air gap available

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

- Schools
- Leisure centres
- Sports Halls
- Exhibition centres
- Offices
- Gymnasiums

SUPERPHON HIGH IMPACT WALL PANELS

Thickness	25mm, 40mm & 50mm
Max single panel size (Other sizes available on request)	3000mm x 1200mm Subject to fabric limitations

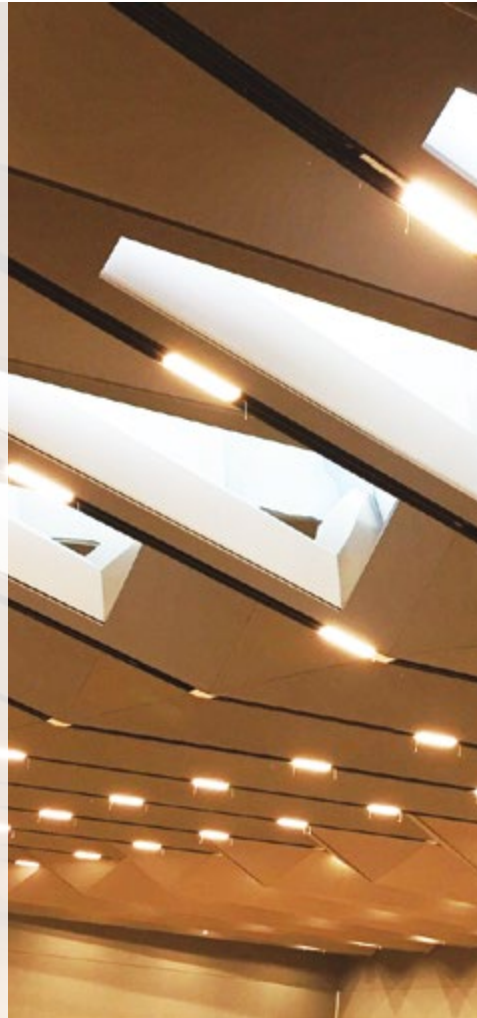
For technical information and installation details, please see our Technical Data Sheets.

suspended absorbers

Baffles / Rafts

Suitable for environments with continual activity, such as sports halls or busy workplaces, where it may not be appropriate to apply sound absorption solutions at wall levels.

SuperPhon Baffles and Rafts provide an effective means of controlling reverberation and reflected sound in rooms. Suspended absorbers are the ideal solution for 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.

The range of suspended absorbers are manufactured from glass fibre, creating a wide range of solutions that can be suspended safely and discreetly, using a range of bespoke suspension methods. The design of absorbers is completely flexible allowing for the creation of a striking design feature.

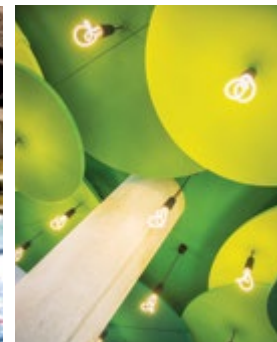


Benefits

- Provides up to Class 'A' acoustic performance
- Extensive range of colours available
- Wipe clean finish available
- Bespoke manufacture
- Free reverberation calculation service
- Full technical and on site support
- Full acoustic accreditation available on request

Suitable applications for SuperPhon Suspended Absorbers

- Gymnasiums & sports halls
- Recording studios
- Schools
- Production halls & industrial facilities
- Offices
- Call centres
- Event centres
- Atriums



SUPERPHON SUSPENDED ABSORBERS - BAFFLES / RAFTS	
Thickness	25mm, 40mm & 50mm
Max single panel size (Other sizes available on request)	3000mm x 1200mm Subject to fabric limitations
Standard panel sizes (Other sizes available on request)	1200mm x 300mm 1800mm x 300mm 1200mm x 450mm 1800mm x 450mm 1200mm x 600mm 1800mm x 600mm
Absorber weight	3.25kg/m ² for 25mm panel 4.00kg/m ² for 40mm panel 5.00kg/m ² for 50mm panel

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

art

Bespoke panels

For a really creative aesthetic feel, SuperPhon Art gives you the flexibility to create any of the SuperPhon panels to a design that suits you. Using our special fabric, we can create solutions 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.

CMS Danskin Acoustics provides installation guidelines for each product.





Benefits

- Unique panels incorporating your images
- Provides up to Class 'A' acoustic performance
- Complete range of fixing systems
- Free reverberation calculation service
- Full technical and on site support
- Bespoke manufacture

Suitable applications for SuperPhon Art

- Schools
- Leisure centres
- Sports Halls
- Exhibition centres
- Offices
- Gymnasiums

SUPERPHON ART	
Thickness	25mm, 40mm & 50mm
Max single panel size (Other sizes available on request)	1200mm x 3000mm - Subject to fabric limitations Larger pictures are made up with multiple panels Minimum image requirements: 300dpi high resolution / vector files
Absorber weight	3.25kg/m ² for 25mm panel 4.00kg/m ² for 40mm panel 5.00kg/m ² for 50mm panel

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

hardface

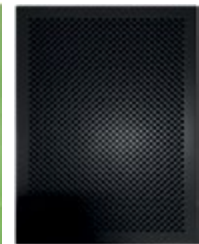
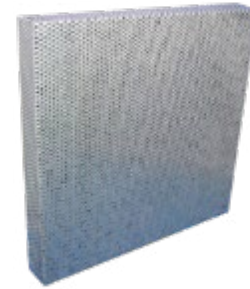
Wall panels

SuperPhon Hardface is a highly sound-absorbent acoustic treatment encased in perforated, painted steel (aluminium also available), making it suitable for high traffic areas and environments where vandalism may be an issue.



Visually, the perforated metal casing conveys a strong contemporary aesthetic feel, ideal for commercial/industrial applications, which can be powder-coated in any RAL colour to complement any interior.

Black or white glass tissue facings or thin acoustically transparent Polyester film can be applied to the acoustic core to enhance the product's appearance and protect from the majority of common substances. Alternatively, coloured fabrics from the Cara or Lucia range can be employed for greater aesthetic flexibility.



Benefits

- Resistant to malicious or accidental damage
- Excellent acoustic and thermal insulation properties
- Chemically inert
- Easy to install
- Coloured options for aesthetics
- Bespoke alternatives available

Suitable applications for SuperPhon Hardface

- Office space
- Prisons
- Police stations
- Industrial areas
- Community centres



SUPERPHON HARDFACE

Standard thickness	25mm, 50mm, 75mm & 100mm
Typical width All widths supplied are bespoke. Min/max quantities on request.	300mm (50mm, 75mm & 100mm thick) 450mm (50mm & 75mm thick) 600mm (50mm & 75mm thick)

Non standard slab sizes and thickness are available upon request.

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

bespoke installation solutions

SuperPhon systems can be installed using a range of permanent, non-permanent, visible or non-visible fixings.

Rotofast Snap-On Anchors

Rotofast Snap-On Anchors are a secure and fast solution for acoustic panel installation.



Baffles, Rafts & Cubes

Specific fixings and installation guidelines are available for SuperPhon Baffles & Rafts.



CMS Danskin Acoustics provides installation guidelines for each product

SuperPhon

sound absorption and reverberation control

SuperPhon

sound absorption and reverberation control



T 01925 577711 (Central)
T 01698 356000 (Scotland)
E info@cmsdanskin.co.uk
W www.cmsdanskin.co.uk

CMS Danskin Acoustics is part of the



www.PerformanceTechnologyGroup.com