SuperPhon® Sound Absorption & Reverberation Control

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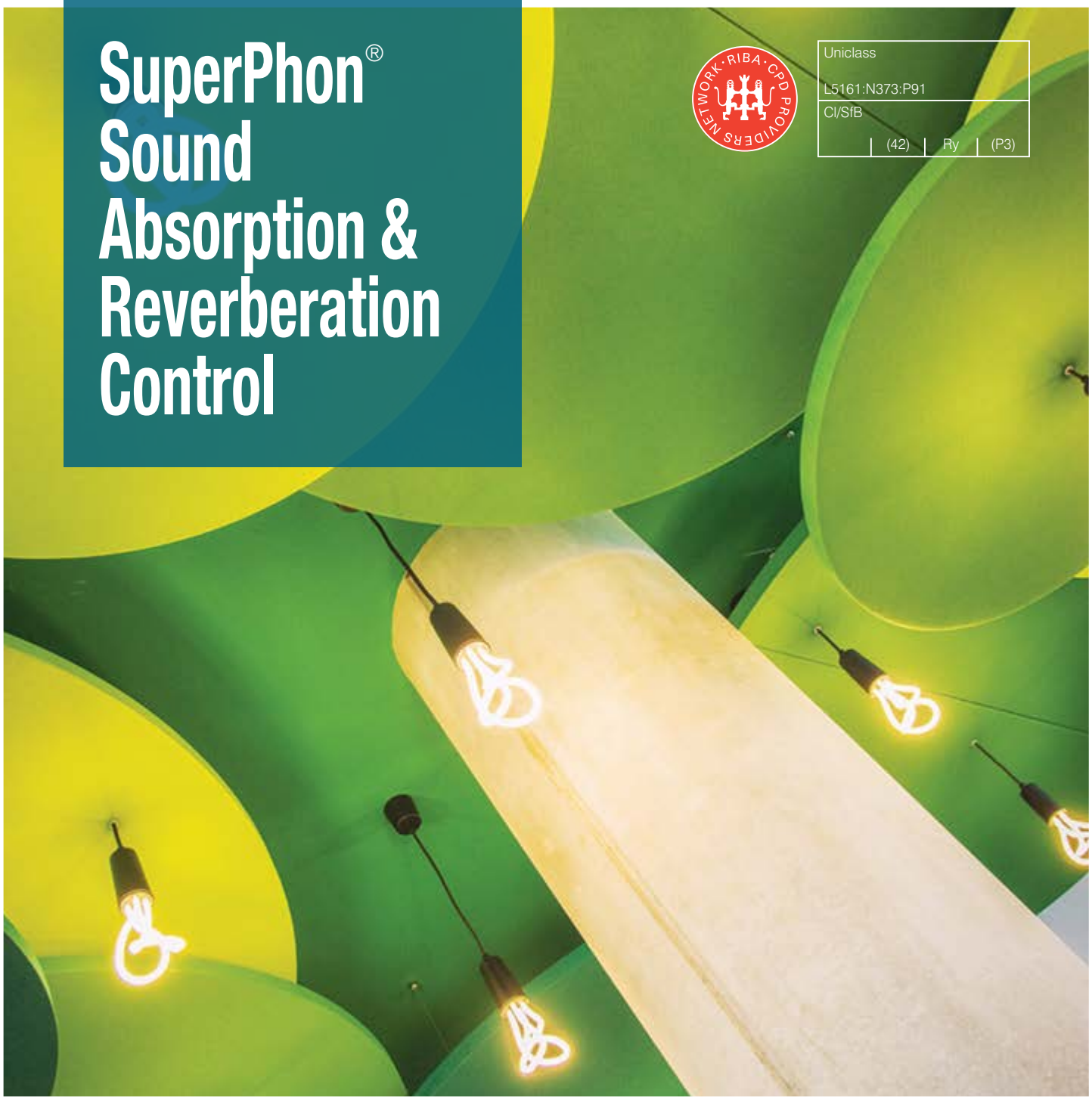


The SuperPhon® range of
Sound Absorption Solutions

SuperPhon®

CMSDANSKIN
ACOUSTICS

The beauty of the SuperPhon® range

SuperPhon® Sound Absorption & Reverberation Control

The 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.

For example, SuperPhon® is used widely in recording studios, sports halls, schools and call centres.

Features and benefits of our fabrics

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.

Fire Resistance

All of our standard panel fabrics are 'Class 1' for the Surface Spread of Flame in accordance with BS 476-7. SuperPhon® Core Board is tested and rated 'Class 0'. 'Class 0' fabrics are also available upon request.

Panel Tolerances

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

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.

Easy Maintenance

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

Contents

SuperPhon® Wall Panels 4
SuperPhon® High Impact Wall Panels 5
SuperPhon® Active - Wall Panels 6
SuperPhon® HardFace - Wall Panels 7
SuperPhon® Ceiling Panels 8
SuperPhon® Ceilings - High Impact Grid 9
SuperPhon® Suspended Absorbers 10
SuperPhon® PhotoPhon 11

Our sound absorption and reverberation control success

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

Teesside University Library
SuperPhon®
Suspended Absorbers

Moneypenny Call Centre
SuperPhon®
Ceiling Panels

SSE Hydro Arena
SuperPhon®
High Impact Wall Panels

Moneypenny Call Centre
SuperPhon®
Wall Panels

Moneypenny Call Centre
SuperPhon®
Full Wall Panel System

Redland Green School
SuperPhon®
Partial Wall Panel System

Liverpool Academy
SuperPhon®
Suspended Absorbers

Droylsden Academy
SuperPhon®
Wall Panels

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 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.

Fixings include Rotofast anchors, adhesive, the Easy Fix System and Velcro. CMS Danskin Acoustics provides installation guidelines with each product.

Kaiser Chiefs rehearsing and recording at the Old Chapel music studio

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

Benefits

- Provides up to Class 'A' acoustic performance
- 75 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
- Fabrics available to meet Class '0' fire performance

Physical information

SUPERPHON® WALL PANELS	
Thickness	25mm, 40mm & 50mm
Max panel size (Other sizes available on request)	3000mm x 1200mm Subject to fabric limitations
Weights	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.

SuperPhon® 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.

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. This extra performance means that 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.

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.

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

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

Benefits

- Fully bespoke acoustic solution
- Impact resistant
- Provides up to Class 'A' acoustic performance
- Standard coverings have Class '1' fire performance
  (Class 'O' available upon request)
- Certified by CST Global Centre for Sports Technology
- Approved by ISSS, WSF and ITF
- Fitted solid to wall or 25/50mm air gap available

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

Physical information

SUPERPHON® HIGH IMPACT WALL PANELS	
Thickness	25mm, 40mm & 50mm
Max panel size (Other sizes available on request)	3000mm x 1200mm Subject to fabric limitations

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).

SuperPhon® Wall Panels
Active

SuperPhon® Active is designed to provide an attractive reverberation control solution and can be used in areas of high traffic or where surface impact is expected.

As a cost effective and highly acoustically absorbent panel system, SuperPhon® Active provides superior levels of sound absorption due to its unique patented 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. This extra performance means that 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.

Combined with the highest levels of impact resistance the panel system out performs in several key areas. The SuperPhon® Active system is quick and easy to install and comprises of sound absorbent, non-combustible glass fibre board with an impact resistant front faced final fabric finish, framed in a powder coated aluminium channel and grid. These highly robust panels are manufactured in standard sizes and are cut to fit the project on site. The panels are finished with an acoustic woven fabric to deliver an aesthetic look.

Suitable applications for SuperPhon® Active

- Partitions
- Wall coverings
- Screens
- Large multiple panels

Benefits

- Fully bespoke acoustic solution
- Impact resistant to the highest level
- Class 'A' acoustic performance
- When faced in specially treated CMS fabric, SuperPhon panels comply with fire tests BS 476-6 & BS 476-7
- Class '0' fire performance fabrics available
- Easy installation, cut to size on site
- Certified by CST Global Centre for Sports Technology
- Approved by ISSS, WSF and ITF

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

Physical information

SUPERPHON® ACTIVE	
Thickness	40mm
Max panel size (Other sizes available on request)	2300mm x 1200mm Subject to fabric limitations

Accreditation

SuperPhon® Active has 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.

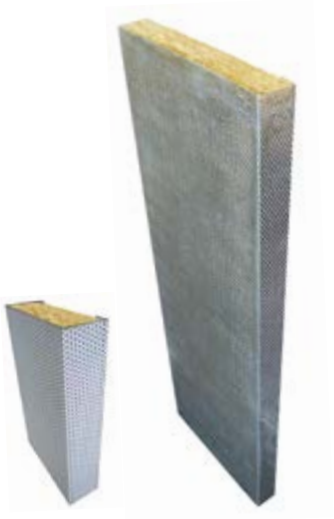
SuperPhon® Active is also certified to EN 15312 for repeated impacts by footballs and hockey balls (1000 impacts at 50Kg).

SuperPhon® Wall Panels
HardFace

SuperPhon® HardFace is a highly sound-absorbent acoustic treatment encased in perforated, painted or galvanised steel, making it suitable for high traffic areas and environments where vandalism may be an issue.

Visually, the perforated steel 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.



Suitable applications for SuperPhon® HardFace

- Prisons
- Police stations
- Industrial areas
- Community centres

Benefits

- Resistant to malicious or accidental damage
- Excellent acoustic and thermal insulation properties
- Fire and temperature resistant
- Chemically inert
- Easy to install
- Vermin and rot resistant
- CFC and HFC free

Physical information

SUPERPHON® HARDFACE	
Standard thickness	25mm, 50mm, 75mm & 100mm
Standard width	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.

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.

Suitable applications for SuperPhon® Ceiling Panels

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

Benefits

- Reduce reverberation times to improve the listening environment
- A simple and colourful solution
- Excellent sound absorption
- Fibre free
- Lightweight and easy to install
- Also suitable for direct adhesion to walls

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

Physical information

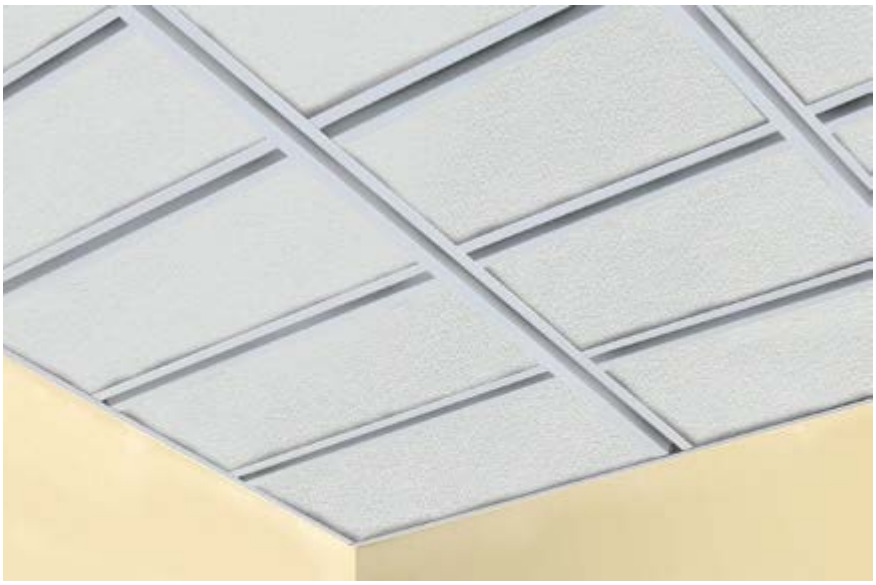
SUPERPHON® CEILING PANELS	
Thickness	25mm, 40mm, 50mm & 60mm
Standard panel sizes	1200mm x 1200mm & 600mm x 600mm
Max panel size	1500mm x 1200mm

(Other sizes available on request)

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 a number of applications.



Suitable applications for SuperPhon® High Impact Grid

- Gymnasiums & sports halls
- Prisons
- Mental health institutions
- Exhibition centres
- Offices & call centres
- Leisure centres
- Reception areas
- Schools & conference rooms

Benefits

- Provides up to Class 'A' acoustic performance
- 75 colours available over two ranges
- Wipe clean finish available
- Bespoke manufacture
- Available with Grid System
- Free reverberation calculation service
- Installation service can be provided through approved contractors
- Full technical and on site support
- Fabrics available to meet Class 'O' fire performance

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

Physical information

SUPERPHON® HIGH IMPACT GRID	
Thickness	25mm, 40mm & 50mm
Standard panel size (Other sizes available on request)	600mm x 600mm 1200mm x 1200mm

SuperPhon® Suspended Absorbers
Baffles / Rafts / Cubes

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, Rafts and Cubes 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 either glass fibre or foam cores, 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.

Suitable applications for SuperPhon® High Impact Grid

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

Benefits

- Provides up to Class 'A' acoustic performance
- 75 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
- Fabrics available to meet Class 'O' fire performance

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

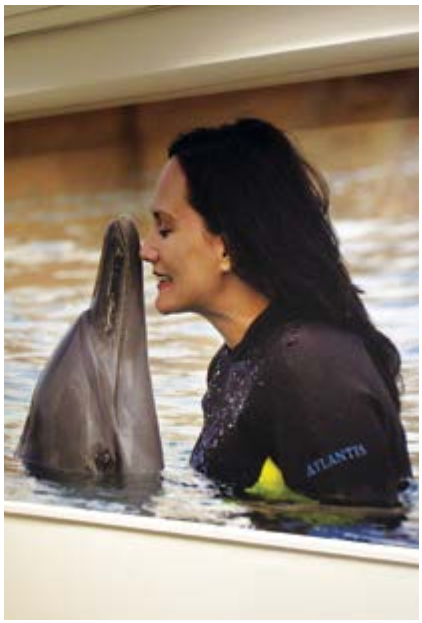
Physical information

SUPERPHON® SUSPENDED ABSORBERS - BAFFLES / RAFTS / CUBES	
Thickness	25mm, 40mm & 50mm
Max panel size	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
Standard cube sizes (Other sizes available on request)	400mm^3 and 600mm^3
Weights	3.25kg/m^2 for 25mm panel 4.00kg/m^2 for 40mm panel 5.00kg/m^2 for 50mm panel

SuperPhon® Bespoke Solutions
PhotoPhon

For a really creative aesthetic feel, PhotoPhon 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.



Bespoke installation options

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

Fixings include Rotofast anchors, adhesive, the Easy Fix System and Velcro.

CMS Danskin Acoustics provides installation guidelines with each product.

Suitable applications for SuperPhon® PhotoPhon

- SuperPhon® High Impact Panels
- SuperPhon® Suspended Ceiling Panels
- SuperPhon® Baffles
- SuperPhon® Wall Panels

Benefits

- Unique panels incorporating your images
- Provides up to Class 'A' acoustic performance
- Complete range of fixing systems
- Free reverberation calculation service
- Installation service can be provided through approved contractors
- Full technical and on site support
- Fabrics available to meet Class 'O' fire performance
- Bespoke manufacture

Physical information

SUPERPHON® PHOTOPHON	
Thickness	25mm, 40mm & 50mm
Max panel size (Other sizes available on request)	1200mm x 1200mm Subject to fabric limitations Larger pictures are made up with multiple panels
Weights	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.

For further information
please contact our technical/sales team

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