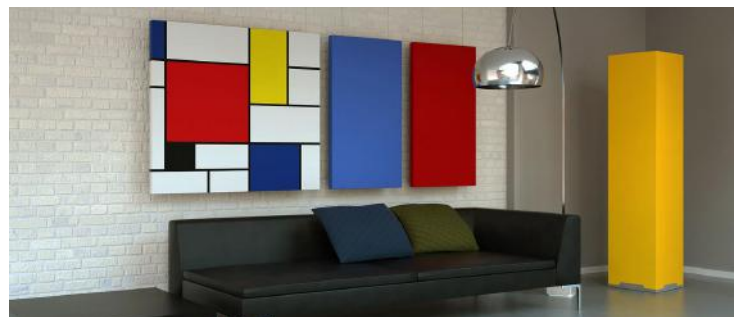




Absorb-R SoftTone Range



Datasheet



Description

Absorb-R Softone is a single-sided sound absorbing panel upholstered in fabric, which is primarily installed on the wall however can also be installed on the ceiling with bespoke safety fitments. Efficient LED back lighting systems can be included upon request. This panel system has a High-Impact variant and a wall liner variant and can also be printed on with bespoke artwork.

The name Softone evokes the functionality of the product. Absorb-R Softone acoustic wall panels improve acoustic absorption by reducing reverberation and background noises, providing great psychophysical benefits for users.



The internal sound-absorbing material is manufactured in two thicknesses 25mm to 40mm and are available with a range of acoustically transparent fabrics. These fabrics offer a wide range of colours to both Class '1' & Class '0' BS476: Part 6 & Part 7 surface spread of flame.

Our panels have a favourable weight/surface ratio essential for easy installation. Softone panels can easily be removed and relocated if need be to carry out regular maintenance work, e.g. painting. Safe and user-friendly fastening systems make installation easy. Our internal sound-absorbing materials undergo repeated production checks to guarantee the highest quality and performance every time.

When used in for Impact areas such as sports halls and gym halls Softone Deflecta should be specified. This Hi-impact panel acoustical performs in the exactly the way as the standard Softone panel, however it can withstand impact from sports balls at speeds of up to 17.3m/s from any direction without adversely affecting the panel. Complies to EN 13964 Class A.



Our innovative and complete solution can be adapted to a wide range of rooms, from office space to conference halls, auditoria, theatres and recreational educational areas. Lighting fixtures have been specifically designed to support and integrate into the sound absorbing system.

The Absorb-R Softone fabric acoustic-panels are constructed using a superior grade high density glass fibre board for optimal sound absorption and extensive resistance to fire. Applications include ceiling and wall mounted acoustic panels, baffles and clouds. All of our Class "A" panels are made to order and finished with hardened edges. This ensures no loss of shape over time and removes the risk of damage during transport and installation.



Applications

Absorb-R SoftTone Range is ideally suited for installation in conference halls, classrooms, libraries, restaurants, bars, sports arenas, gymnasias, call centres, board rooms and offices. Acoustic comfort options are available to suit every environment thanks to this product's great versatility.

The Absorb-R SoftTone Range can meet the criteria set out in Acoustic Design of Schools - Performance Standards Building Bulletin 93 (BB93) whilst not compromising on the design and aesthetics of the education facility

- **Leisure Facilities**
- Music Studios
- Showrooms
- **Learning Areas**
- Classrooms
- Schools
- Music Venues
- **Conference Centres**
- Call Centres
- Board Rooms
- **Restaurants**
- **Hotels**
- Sports Halls
- Gymnasiums

Hotels



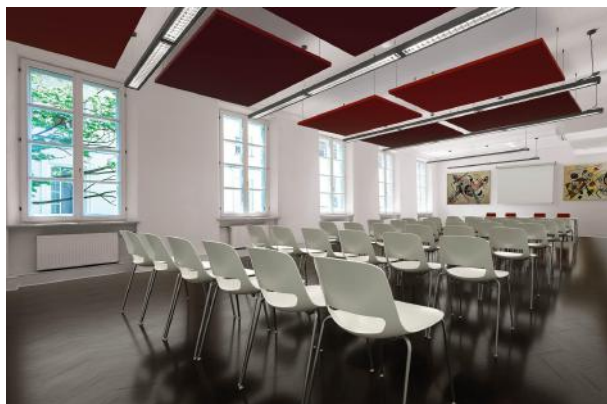
Leisure Facilities



Restaurants



Learnings Areas



Conference Centres



Absorb-R SoftTone

Design Your Space

Our experienced team have a wealth of knowledge and can provide consultants, architects and contractors with expert advice on all aspects of reverberation control. We can perform noise surveys and will provide details of anticipated reverberation time improvements to help ensure that the maximum design specifications and performance can be achieved.

Panel Type

- Ceiling/Wall Panel
- Rafts/Islands
- Baffles

Dimensions

All the Absorb-R SoftTone Range are manufactured to custom sizes, Choose from a maximum length of 3000mm x maximum width of 1200mm

Fabric Panel Finish & Colour

A selection of acoustic fabrics available with a varied choice of colours and textures, Our standard fabrics are from the Lucia and Cara range manufactured by Cameria. Other fabrics are available



LUCIA

Adobo	Solano	Tortuga	Jamaica	Lobster	Aruba	Oyster	Reef	Diablo	Calypso
Belize	Tobago	Tarot	Mauve	Bridgetown	Paseo	Sombrero	Buru	Blizzard	Steel
Tequila	Rum	Slip	Sandstorm	Martinique	Cayman	Bluefield	Bluebell	Ocean	Costa
Bermuda	Curacao	Scuba	Havana	Arecibo	Marianna	Taboo	Madura	Apple	Montserrat
Windjammer	Campeche	Turtle							

**Choose Any
You can even Mix & Match***

CARA

Vit	Maree	Beltane	Austen	Lomond	Pitlochry	Lossie	Tummel	Denny	Merrick
Portland	Shetland	Clan	Lead	Glass	Chaucer	Spray	Hillswick	Lerwick	Cluanie
Adriatic	Dolphin	Galilee	Easdale	Inverness	Black	Staffa	Lora	Carron	Fair Isle
Walten	Ronay								

*Other colours available upon request**

DISCLAIMER: Note that colours shown on this page offer only an approximation of their actual real-life counterparts. Refer to a certified colour chart for true colour.

Absorb-R SofTone Panel

Care and Maintenance

The Absorb-R SofTone panels can be cleaned with a low powered vacuum. Stains can be treated with an appropriate cleaning solution applied in accordance with the manufacturer's instructions. They should never be cleaned using water. A full maintenance manual is available upon request.

Working Temperature

Absorb-R SofTone panels are suitable for use at normal building temperatures.

Fire Performance

A selection of fabrics available which meet the requirements of BS476: Part 7 Class 1 Surface Spread of Flame. Screen fabrics can be chemically treated to provide a Class '0' fire rating. Core material is a non-combustible.

Availability

Panels are available to order and should be fitted by skilled tradesmen or specialist contractors.

Dimensions	Thickness (mm)	Width (mm)	Nominal Weight of Absorber (Kg) /m ²
	25	600 & 1200	2.90
	40	600 & 1200	5.10

Wall and Ceiling Panels

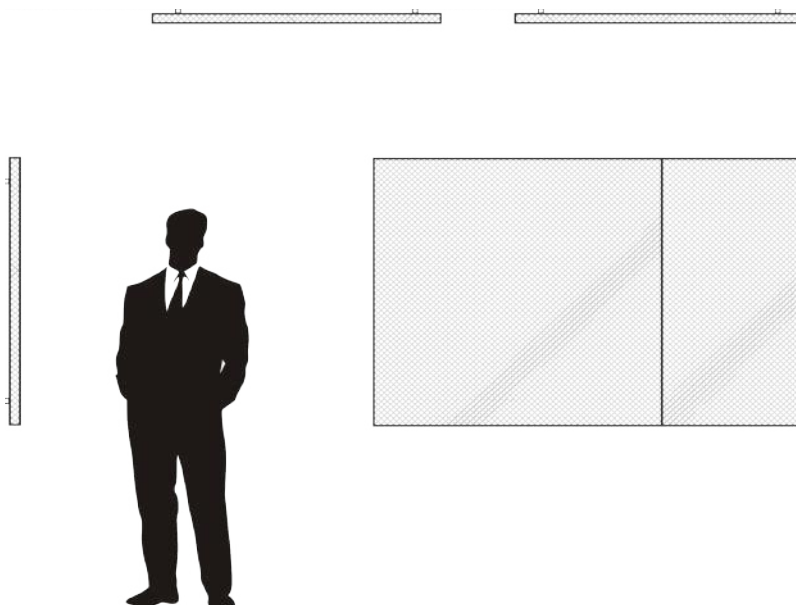
The Absorb-R SofTone Wall and Ceiling panels have been designed to be aesthetically pleasing fitting directly to the wall/Ceiling or mounted on battens to give improved acoustic performance. With a variety of fixing method available they offer easy to install and secure fixing. The roller button fix system can be used as a demountable option for quick and easy access to services behind the panel.

These panels also have an option to be high impact suitable for use in sport halls and high traffic areas and have been manufactured to comply with EN15312 for impact against indoor ball activities.

Flexibility in Design

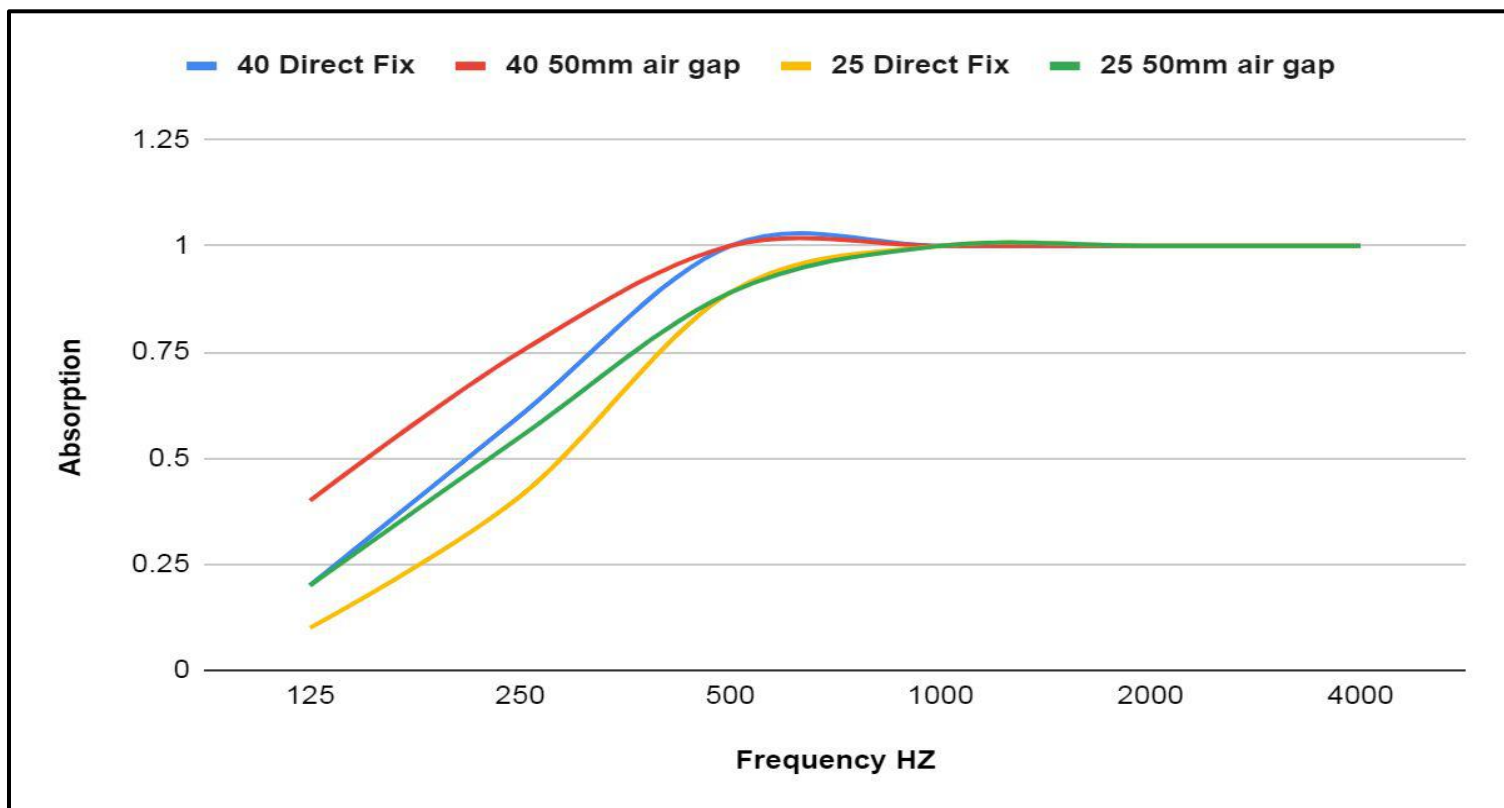
The panels can be manufactured to any shape with our latest cnc cutting technology including circles, ovals within the maximum sizes of 3000mm x 1200mm, available in 2 thicknesses 25mm and 40mm for precise acoustic control

The panels are manufactured with a resin hardened edge technology or with a UPVC edge prevent damage to the edges



Acoustic Performance Data

Product Type	Sound Absorption Coefficient (tested in accordance with BS EN ISO 354)									(In accordance with BS EN ISO 11654-1997) Building Regulations Absorber Classification
	Octave Band (Hz)									
	Thickness (mm)	125	250	500	1k	2k	4k	α_w	NRC	
SoftTone Panels	40 Direct Fix	0.20	0.60	1.00	1.00	1.00	1.00	0.9	1.00	A
	40 50mm air gap	0.4	0.75	1.00	1.00	1.00	1.00	0.95	1.00	A
	25 Direct Fix	0.10	0.41	0.89	1.00	1.00	1.00	0.70	0.83	C
	25 50mm air gap	0.2	0.55	0.89	1.00	1.00	1.00	0.9	0.95	B



3D Panels

The Absorb-R SofTone 3D panels have been designed to be aesthetically pleasing fitting directly to the wall or a ceiling. They come in a variety of shapes which can be used to create unique patterns and giving a class A acoustic performance. With an adhesive fixing system ensuring easy installation.

These panels also have an option to be high impact suitable for use in sport halls and high traffic areas and have been manufactured to comply with EN15312 for impact against indoor ball activities.

Flexibility in Design

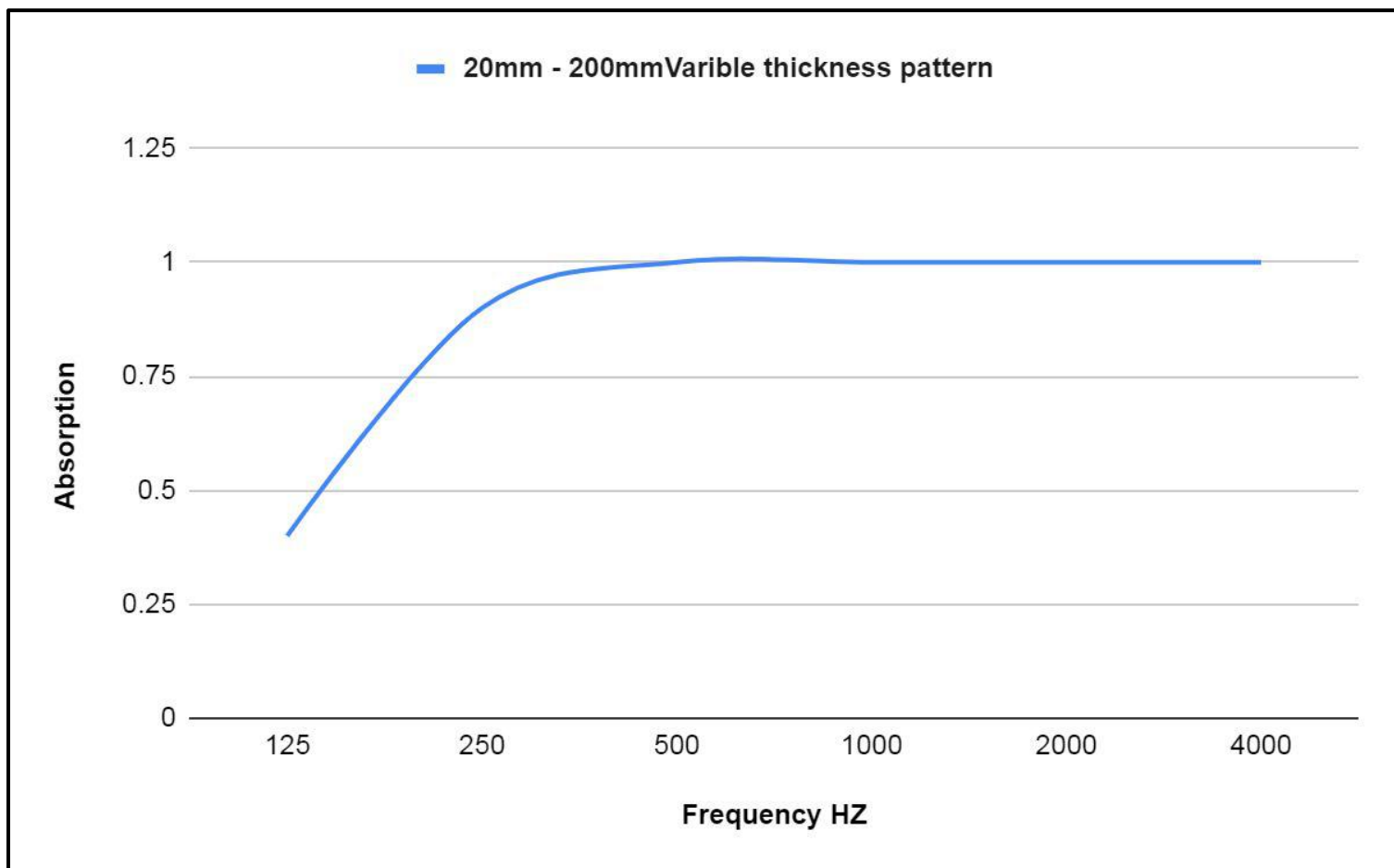
The panels come in standard designs but we can bring to life your own design with our state of the art cnc machining service.

The panels are manufactured with a resin hardened edge technology prevent damage to the edges



Acoustic Performance Data

Product Type	Sound Absorption Coefficient (tested in accordance with BS EN ISO 354)									(In accordance with BS EN ISO 11654-1997) Building Regulations Absorber Classification
	Octave Band (Hz)									
	Thickness (mm)	125	250	500	1k	2k	4k	α_w	NRC	
SoftTone 3D Panels	20mm - 200mm Variable thickness pattern	0.4	0.9	1.00	1.00	1.00	1.00	1.00	1.00	A



Ceiling Rafts

The Absorb-R SoftTone Ceiling Rafts have been designed to be aesthetically pleasing suspended from the ceiling by adjustable wires offering an easy to install and secure fixing.

Flexibility in Design

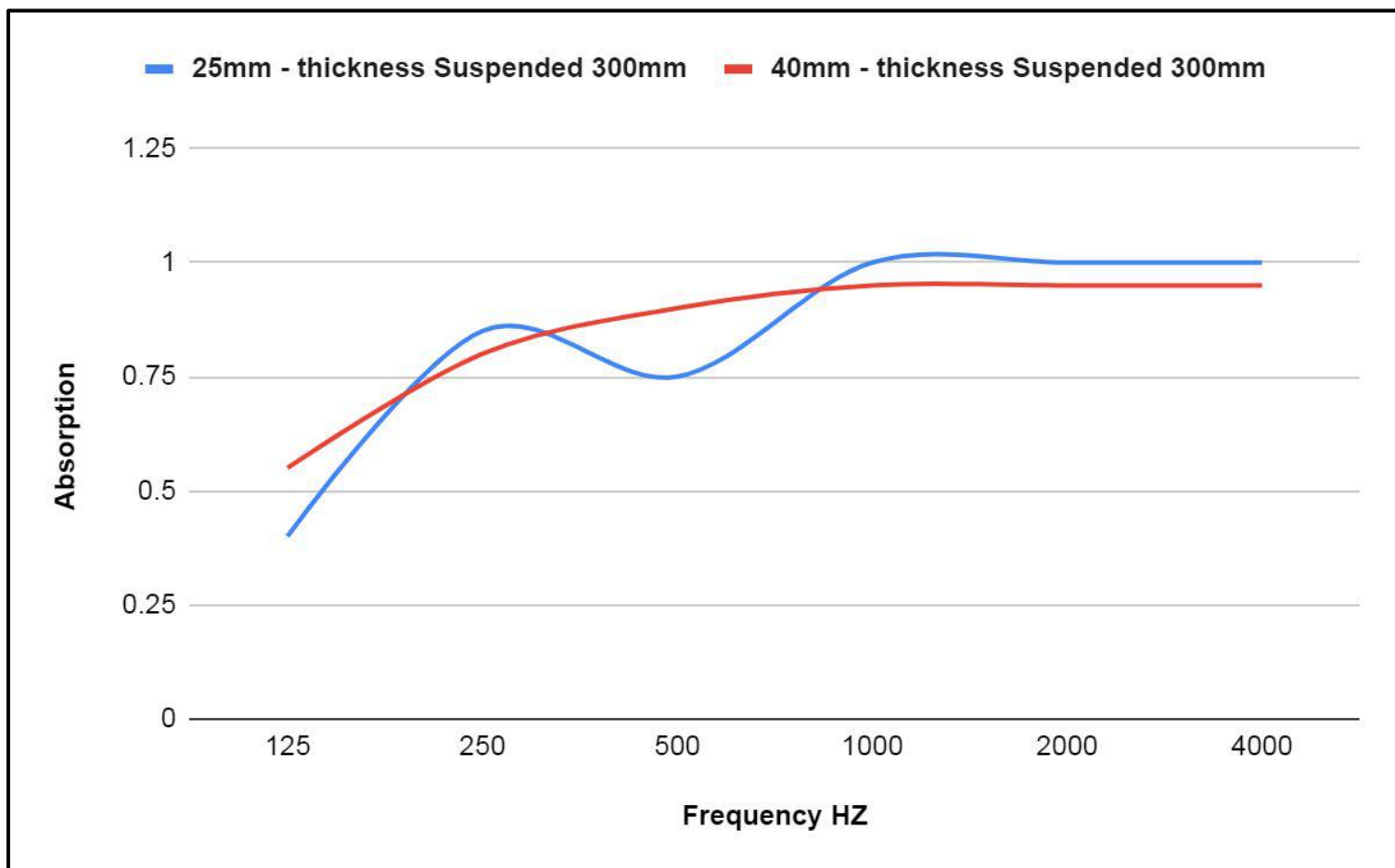
The panels can be manufactured to any shape with our latest cnc cutting technology including circles, ovals within the maximum sizes of 3000mm x 1200mm, available in 2 thicknesses 25mm and 40mm for precise acoustic control. Cut-outs and pattresses can be factory installed ensuring the best possible finish. We can work with lighting and LED manufacturers to bring lighting and acoustics into one panel.

The panels are manufactured with a resin hardened edge technology or with a UPVC edge prevent damage to the edges. We can also offer a chamfered edge detail.



Acoustic Performance Data

Product Type	Sound Absorption Coefficient (tested in accordance with BS EN ISO 354)									(In accordance with BS EN ISO 11654-1997) Building Regulations Absorber Classification
	Octave Band (Hz)									
	Thickness (mm)	125	250	500	1k	2k	4k	α_w	NRC	
SoftTone Rafts	25mm - thickness Suspended 300mm	0.4	0.85	0.75	1.00	1.00	1.00	0.85	0.9	B
	40mm - thickness Suspended 300mm	0.55	0.80	0.90	0.95	0.95	0.95	0.95	0.9	A



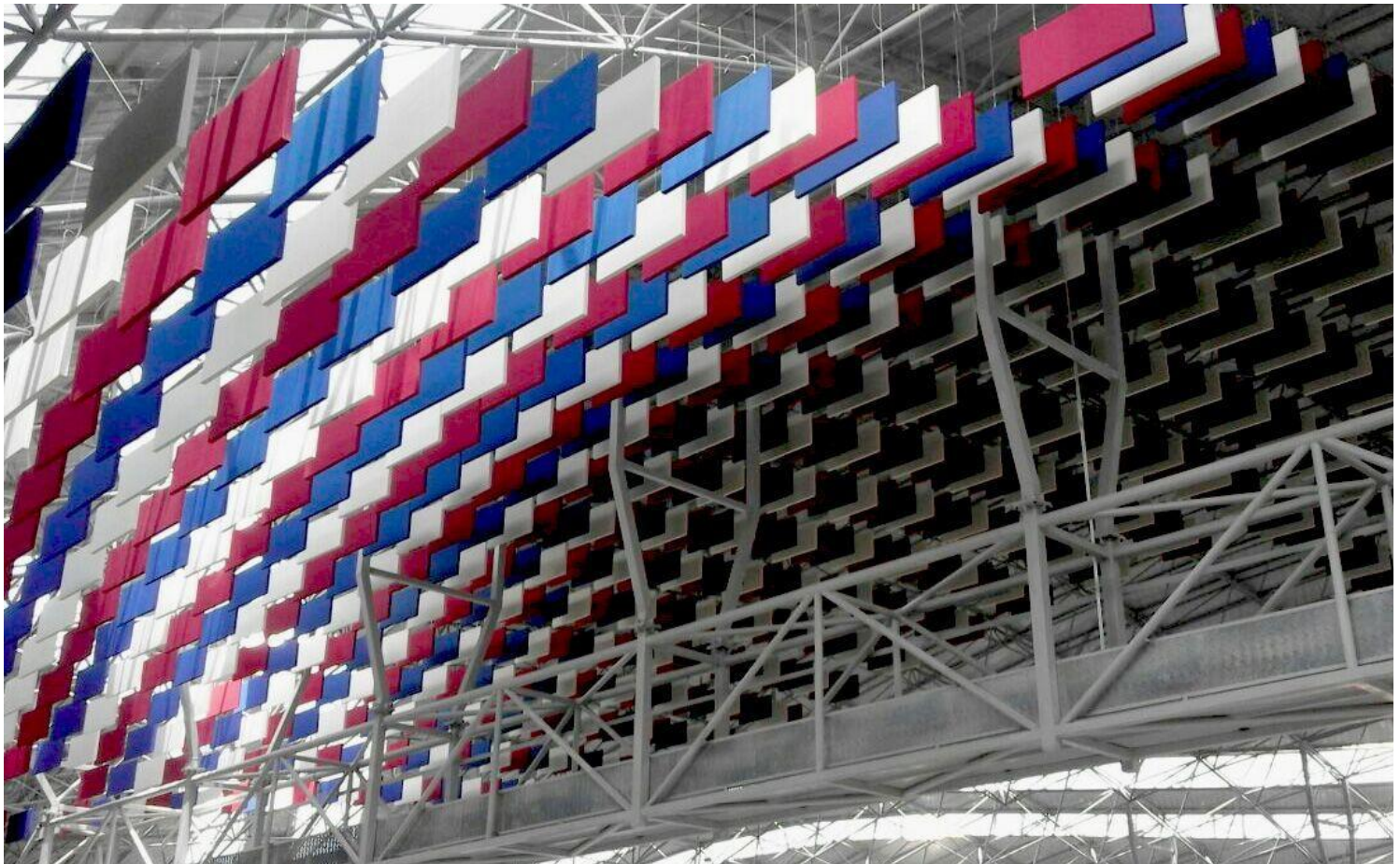
Ceiling Baffles and Fins

The Absorb-R SoftTone Ceiling Baffles and Fins have been designed to be aesthetically pleasing suspended from the ceiling by adjustable wires offering an easy to install and secure fixing.

Flexibility in Design

The panels can be manufactured to any shape with our latest cnc cutting technology including Wave,Radiused, within the maximum sizes of 3000mm x 600mm, available in 2 thicknesses 25mm and 40mm for precise acoustic control. Recesses can be factory installed ensuring the best possible finish for LED lighting strips.

The panels are manufactured with a resin hardened edge technology or with a UPVC edge prevent damage to the edges. The panels can be suspended with adjustable wire system or fixed direct to the ceiling.



Acoustic Performance Data

Product Type	Sound Absorption Coefficient (tested in accordance with BS EN ISO 354)									(In accordance with BS EN ISO 11654-1997) Building Regulations Absorber Classification	
	Octave Band (Hz)										
	Thickness (mm)	125	250	500	1k	2k	4k	α_w	NRC		
SoftTone Baffles	25mm - thickness Suspended 300mm	0.4	0.85	0.75	1.00	1.00	1.00	0.85	0.9	B	
	40mm - thickness Suspended 300mm	0.55	0.80	0.90	0.95	0.95	0.95	0.95	0.9	A	



