



High performance decorative raft absorbers

Uniclass L68161:G332/3	EPIC F851
CI/SfB (4-)	R (P3)

SRS Sonata Vario absorbers are a practical and cost effective way of controlling reverberation.



Four Oaks School, Leeds



Knightwood Primary School, Eastleigh

SONATA VARIO PANELS ARE SUITABLE FOR:

- School Halls
- Classrooms
- Canteen / Dining Rooms
- Sports Halls / Gyms
- Village / Community Halls
- Church Halls
- Restaurants / Bars
- Scout / Guide Huts
- Video / Audio Conferencing Rooms
- Open Plan Offices...plus many others.



HIGH PERFORMANCE SOUND ABSORPTION SOLUTION FOR WALLS AND CEILINGS

T: +44 (0)1204 380074
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F: +44 (0)1204 380957
www.soundreduction.co.uk



THE PROBLEM:

Large, open spaces often suffer from poor room acoustics. This manifests itself as reverberation and echo, creating unwelcome levels of noise, seriously affecting speech intelligibility, and making verbal communication difficult. In short, it makes for an unpleasant environment to spend time in, whether for work, leisure, or learning.

THE SOLUTION:

Sonata Vario panels are an incredibly efficient way to introduce a high performance, absorptive material to any space. The panels comprise a technical, non-shedding, acoustic foam, a rigid frame insert to the rear and an acoustically transparent fabric finish to the face and sides. Easily and quickly installed, Sonata Vario panels can be suspended from ceilings on clips or bracket mounted to walls. Allowing the panels to stand proud of the ceiling or wall exposes the back of the panel and offers an enhanced acoustic performance as well as creating a stunning visual effect. The product is available in a wide range of colours and sizes to accommodate any existing wall or ceiling and can also be printed with photographs or images to create a striking 'canvas' effect.

PRODUCT BENEFITS:

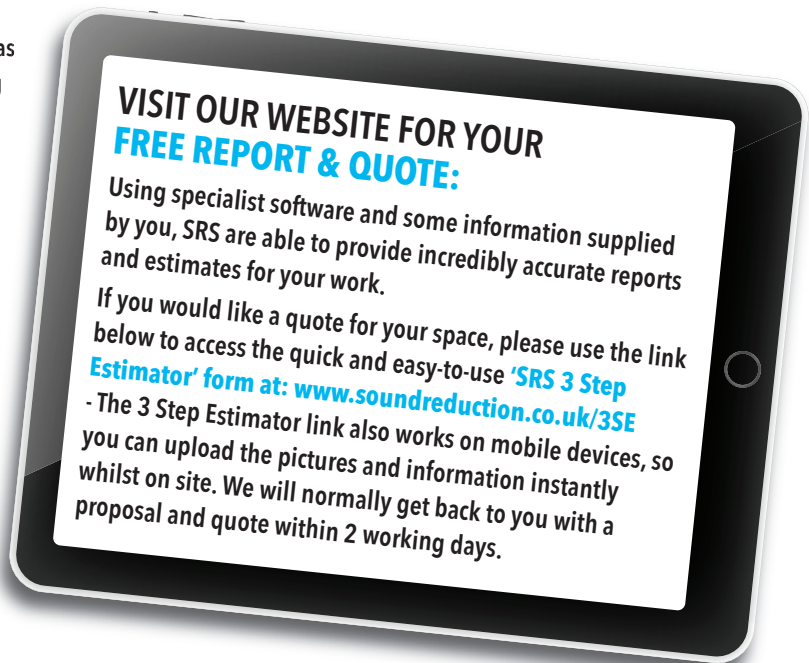
- BB93 solution
- Class A rated raft absorber
- Easily removable / relocatable
- Wide range of colours / sizes
- Bespoke printed panels available
- Suspended mountings can span wiring / pipes / conduit
- Spectacular 3D aesthetic
- Quick, easy and clean to install
- Non-shedding foam panels - no mineral fibre



FREE ACOUSTIC ADVICE, DESIGN AND SPECIFICATION FOR ALL UK SCHOOLS

We offer our industry-leading knowledge and experience **free of charge** to help guide you to the best solution for your school, whether it is for BB93 compliance or just to improve the acoustics within your teaching environment.

For a free consultation, please call **01204 380 074**, e-mail **bb93@soundreduction.co.uk** or apply via the website, **www.soundreduction.co.uk**



OTHER PRODUCTS IN THE SONATA RANGE:

NB full installation details for all Sonata products are available on request.



SONATA AURIO

{ High performance, decorative bonded absorbers



SONATA MEMO

{ High performance acoustic absorber and fully functioning noticeboard



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INSTALLATION

The Sonata Vario absorber comprises of a technical acoustic foam, wrapped in a high quality, acoustic transparent fabric and bonded to a rear metal support frame which is prefinished with precision laser-cut fixing apertures. Sonata Vario absorbers are designed to be installed onto either walls or ceilings and in either portrait or landscape orientation. For installation onto walls the Vario mounting brackets are required. For installation onto ceilings the Ceiling Suspension Pack is required.

For further information please refer to the **Sonata Vario Installation Guidance Datasheet**.

FIXING ACCESSORIES

For wall installations, Sonata Vario Wall Mounting Brackets (large or small depending on size of panel and orientation) are required – 1 pair of brackets required per panel.

For ceiling suspension, Sonata Vario Ceiling Suspension Packs are required – 1 pack required per panel.

STANDARD FINISHES

Fabric (open-weave, acoustically transparent) to face, edges and back returns.

DIMENSIONS/WEIGHTS

Sonata Vario absorbers are available in the following dimensions (Trilogy fabric wrapped):

1200 x 1200 x 50mm – 4.00 Kg per panel

1200 x 1000 x 50mm – 3.60 Kg per panel

1200 x 800 x 50mm – 3.20 Kg per panel

1200 x 600 x 50mm – 2.70 Kg per panel

1200 x 500 x 50mm – 2.35 Kg per panel

600 x 600 x 50mm – 1.50 Kg per panel

600 x 500 x 50mm – 1.40 Kg per panel

Large Mounting Brackets – 1.30 Kg per pair

Small Mounting Brackets – 0.60 Kg per pair

Ceiling Suspension Kit – 0.12 Kg per pack

FIRE PERFORMANCE

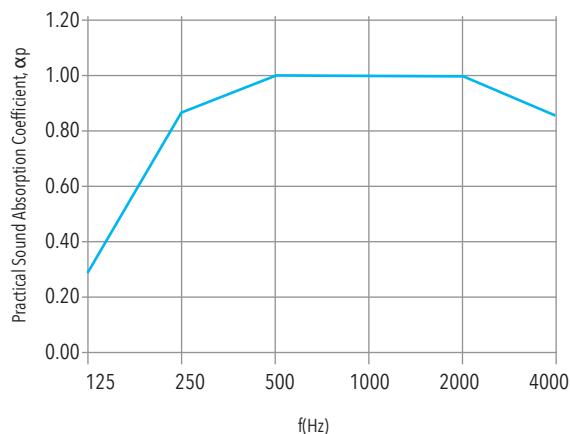
The foam core meets the Class O requirements of the building regulations when tested to BS476 Part 6 1981 and Part 7 1987. All standard fabrics used meet the requirements of Class 1 Surface Spread of Flame when tested to BS476: Part 7: 1987 as a minimum. Class O rated fabric available on request.

ACOUSTIC PERFORMANCE

The Sonata Vario absorber has been designed to provide a rear airspace for optimum performance. Low frequency absorption is noticeably improved with this method of installation resulting in an enhanced clarity of sound within the environment.

The Sonata Vario absorber can be still used to excellent effect when fixed directly to the background, still providing good absorption of the standard speech frequency range whilst maintaining ease of installation.

Frequency (Hz)	α_p
125	0.30
250	0.85
500	1.00
1000	1.00
2000	1.00
4000	0.85



Absorber Type	Absorber Thickness	α_w	Absorber Class
Sonata Vario with 40mm airspace	50mm	1.00	Class A

Test reference number: 780-714 Date: 28/06/2012.
University of Salford Acoustic Test Laboratory.
Tested to BS EN ISO 354:2003 and rated to BS EN ISO 11654:1997.



HANDLING, CARE AND MAINTENANCE

Sonata Vario absorbers of standard stock sizes are packed in protective recyclable cartons and placed face-to-face for added protection. The cartons can be stacked up to a suggested maximum of 15No. high or stood upright to a maximum 2 high. Sonata Vario absorbers are for indoor use only; they should always be kept dry. Due care should be taken when handling the absorbers to avoid soiling the fabric finish.

The absorbers can be cleaned periodically by vacuuming on a low suction setting using a clean vacuum head or suitable interleaf (clean, thin fabric bag over the head). For cleaning of stains please contact us for further guidance.

TESTIMONIALS & EXAMPLES

"Fantastic, we did the hall opening and it worked like a dream!

During the course of the project we worked with Richard and his team to develop a great solution to the acoustics within our hall. The quality of the work was great and they worked to an incredibly tight timescale to accommodate us."

Stephen Docking (Headteacher)
DELAMERE PRIMARY SCHOOL



"The work undertaken by Sound Reduction Systems has made an amazing difference for both students and staff. The quality of their service and level of professionalism was of the highest and more than any one could expect!"

Maria Rock (Headteacher)
HAYFIELD SCHOOL, DONCASTER



"WONDERFUL! - We had 60 people for lunch and people asked why the ambience was so quiet. I told them to look up. The work was done early in the morning, outside opening hours, and finished within four hours. Good, clean job yet very effective outcome"

Paul (Owner)
VASCO & PIERROS



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