

TECHNICAL DATA SHEET



SUPERPHON® ACTIVE WALL PANELS

PRODUCT DESCRIPTION

SuperPhon® Active Panels have been specifically developed 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. 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.

BENEFITS

- Fully bespoke acoustic solution
- Impact resistant to the highest level
- Class 'A' acoustic absorption
- 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



PHYSICAL INFORMATION

SuperPhon® Active Wall Panels	
Thickness (mm)	40mm
Panel size (mm)	2300 x 1200mm

PHYSICAL INFORMATION (CONTINUED)

SuperPhon® Active Wall Panels – For the noise absorption coefficient is expressed as a factor between 0 and 1.0. The more sound that a material absorbs, the higher the noise absorption coefficient.

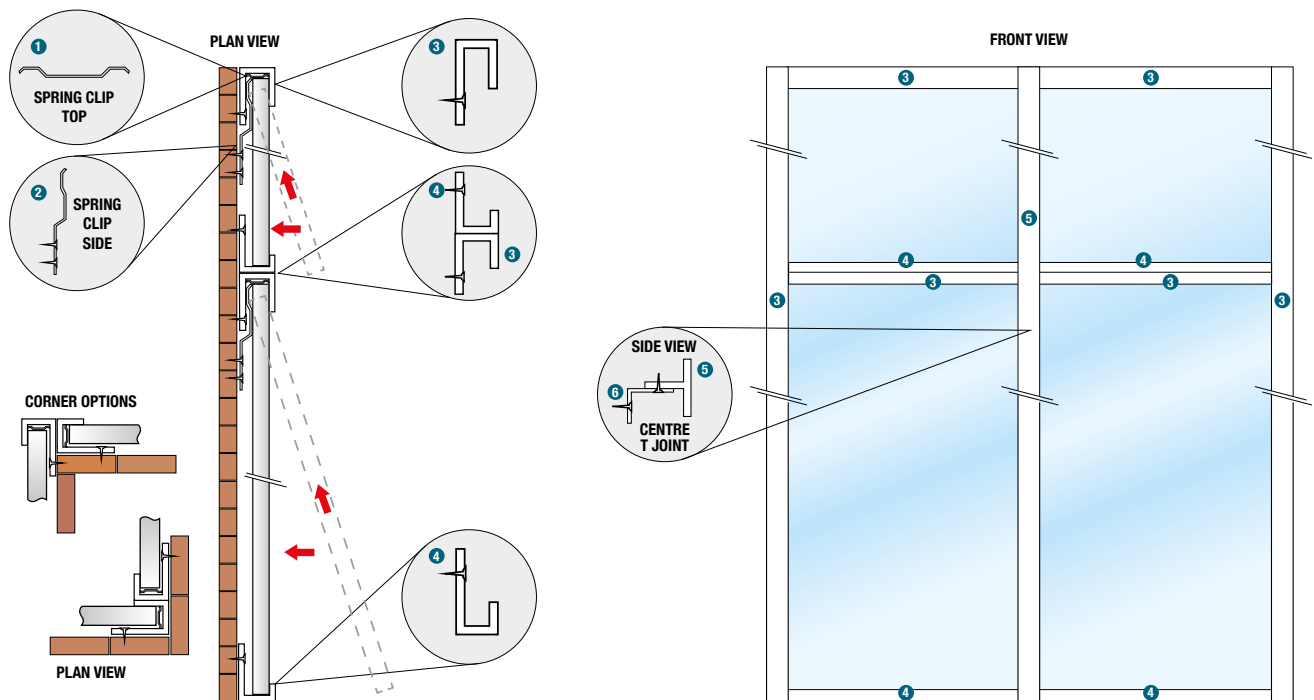
Panel	125 Hz	250 Hz	500 Hz	1 KHz	2 KHz	4 KHz	NRC	Class
40mm	0.21	0.69	1.14	1.16	1.09	1.01	1.00	A

TECHNICAL SPECIFICATION

SuperPhon® Active Wall Panels conform to the following specifications:

- Panel core is non-combustible and is tested and certified to Class '0' of Building Regulations
- Standard fabric covering complies with BS 476-7:1997 Class 1 surface spread of flame
- When faced in specially treated CMS Danskin Acoustics fabric, SuperPhon® Active Wall Panels comply with fire tests BS 476-6 & BS 476-7 to give UK Building Regulations Class '0' and comply with BS EN 1021-1:2014 (smouldering cigarette)
- SuperPhon® Active Wall 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 BS EN 13964, Classes A, B and C for impacts in Sports Halls and Gymnasiums for multi-purpose use, by balls including footballs and hockey balls

INSTALLATION GUIDE



1. Spring clip (top)
2. Spring clip (side)
3. J channel (bottom)
4. J channel (top)
5. T centre joint
6. L bracket

This system is designed to be cut to size on site and installed to suit. 40mm thick SuperPhon® wall panels are installed using powder coated J channel perimeter trims and standard 38mm deep T24 tees as intermediate profiles fastened directly to the wall using supporting brackets and spring clips.

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IMPORTANT: Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product is suitable for the purpose intended.

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