

TVS ABSorb Panel

TECHNICAL INFORMATION



TVS ACOUSTICS
NOISE & VIBRATION CONTROL

TVS ABSorb Panels provide an aesthetically pleasing solution to control reverberation time and increase the acoustic absorption of any space. Widely used in classrooms, recording studios, offices, cinemas, reception areas and atriums, these panels can provide up to class A absorption either as a complete wall covering or as a number of individually manufactured panels.

TVS ABSorb Panels feature a highly absorbent glass fibre core wrapped in an aesthetically pleasing, acoustically transparent fabric. The edges are reinforced to provide a perfect square edge. Class A acoustic absorption rating can be achieved with our 50mm or 40mm panel as standard.



Physical Information

- Panel Size** Bespoke Design. Max panel size – 2700mm x 1200mm
- Colours** Choice of 80 colours available – Cara & Lucia ranges
- Fire Resistance** TVS ABSorb Panel core has been tested and offers class O fire rating to BS476: Part 6 and the fabric facing complies with class 1 to BS476: Part 7 and also complies with BS EN 1021-1 cigarette (Class O fabrics can be supplied on request)
- Weight** Our TVS ABSorb Panels weigh in at 3.0kg/m² for the 50mm thickness panel and 2.4kg/m² for the 40mm thickness panel
Note: All weights are given as approximations



T: +44 (0) 1706 260 220 | F: +44 (0) 1706 260 240
E: Sales@TVS-acoustics.com | W: www.TVS-acoustics.com
Low Bay | Commerce Street | Carrs Industrial Estate
Haslingden | Rossendale | Lancashire | BB4 5JT | United Kingdom



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www.TVS-Group.co.uk

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Benefits

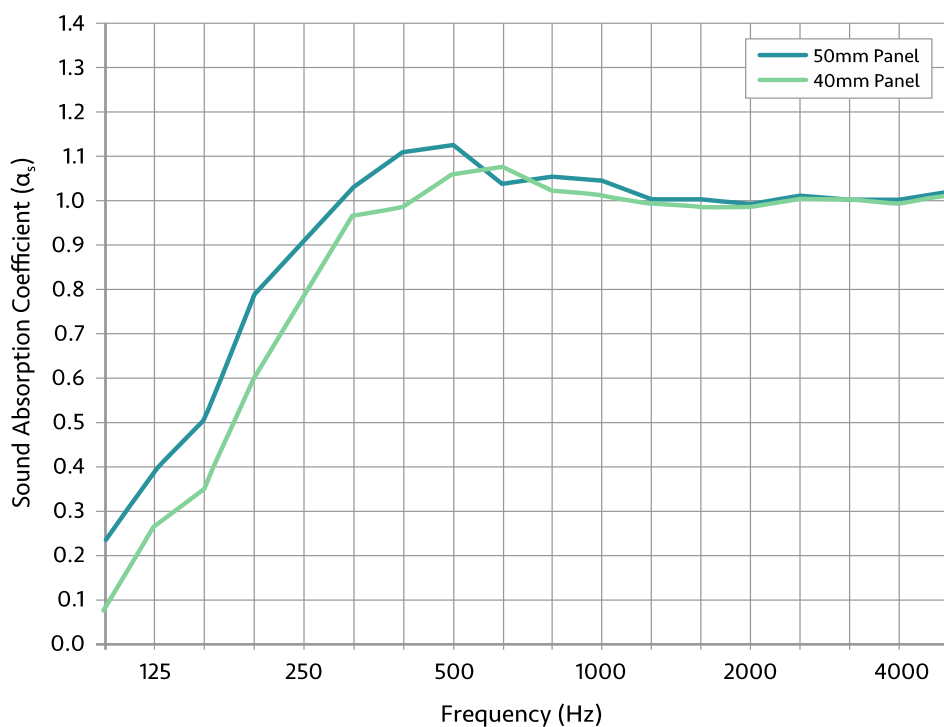
- Class A absorption achieved in 50mm & 40mm thicknesses
- Manufactured to size and shape required
- Durable and easy to clean
- Aesthetically pleasing design
- Complete range of fixing solutions to suit project
- 80 fabric face finishes available
- TVS impaling clip and adhesive provide a quick and easy install



Acoustic Performance

ACOUSTIC PERFORMANCE BS EN ISO 354:2003

| Frequency (Hz) | AbSorb Panels | |
|----------------|-----------------|-----------------|
| | 40mm α_s | 50mm α_s |
| 100 | 0.07 | 0.23 |
| 125 | 0.26 | 0.39 |
| 160 | 0.35 | 0.51 |
| 200 | 0.59 | 0.79 |
| 250 | 0.78 | 0.91 |
| 315 | 0.97 | 1.03 |
| 400 | 0.99 | 1.11 |
| 500 | 1.06 | 1.13 |
| 630 | 1.08 | 1.04 |
| 800 | 1.02 | 1.05 |
| 1000 | 1.01 | 1.05 |
| 1250 | 0.99 | 1.00 |
| 1600 | 0.99 | 1.00 |
| 2000 | 0.99 | 0.99 |
| 2500 | 1.00 | 1.01 |
| 3150 | 1.00 | 1.00 |
| 4000 | 0.99 | 1.00 |
| 5000 | 1.01 | 1.02 |



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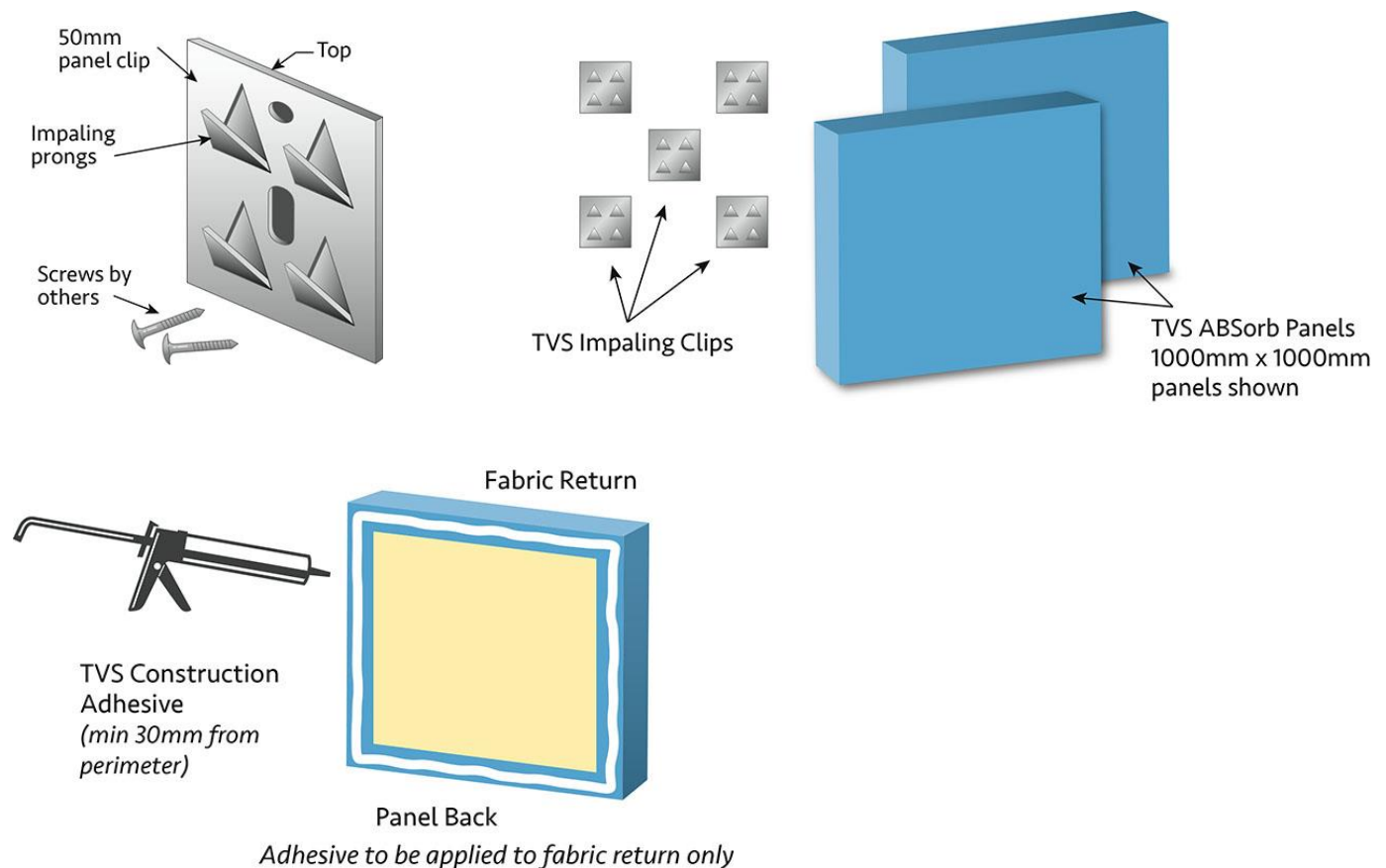
Installation & Maintenance

A wide variety of installation methods are available depending upon the project requirements. For more information contact the TVS Technical Team who will also be able to advise on the correct maintenance procedure.

TVS ABSorb Impaling Clip Install

TVS Absorb Panel bespoke impaling clip install allows for a secure installation of the acoustic wall panels. The panel is simply bonded to the wall by using impaling clips and adhesive.

This method can only be used to achieve Class A if you choose our TVS Absorb 50mm or 40mm panel.



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Product Data Sheet PDS 1.1 TVS ABSorb PANEL

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