

TVS ABSorb Baffle

TECHNICAL INFORMATION



Discover the limitless design flexibility of **TVS ABSorb Baffle**; a lightweight and semi-rigid panel that has sound absorbing properties. Designed with solid colour throughout, TVS ABSorb Baffle has the potential to be used in a large array of spatial design and interior solutions.

More than just a traditional interior acoustic panel, the TVS ABSorb Baffle can be employed as a base material for creative solutions where design and aesthetics are important.

TVS ABSorb Baffle is made from 100% polyester and manufactured in the UK. Containing a minimum of 65% post-consumer recycled material. TVS ABSorb Baffle is completely safe, non-toxic, non-allergenic and non-irritant.

Key Features and Benefits

- Design flexibility without the need for edging or capping, created with solid colour throughout
- Excellent acoustic performance
- Available in a wide range of colours
- Custom colour printing available
- Limitless branding and design possibilities with in-house custom cutting
- Lightweight and easy to handle
- Made from 100% polyester fibre without chemical binders and certified low VOC
- Manufactured using a minimum of 65% post-consumer recycled material
- Highly durable providing long-term stability and performance
- Safe, non-toxic, non-irritant and non-allergenic
- Manufactured under ISO 9001 and ISO 14001 accredited Quality and Environmental System

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 **TVS GROUP**
SPORT | FITNESS | PLAY | ACOUSTICS
www.TVS-Group.co.uk

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Applications

- Decorative and functional acoustic wall covering for education, retail and commercial interiors
- Media for creative solutions
- Acoustic pin-board surface for education and commercial sectors
- Modular room divider for display, privacy and sound absorption

Colour Options



Specification

(Wall) treatment shall be TVS ABSorb Baffle from thermally bonded high-density polyester containing not less than 65% post-consumer recycled material as manufactured by TVS Acoustics.

Sound Absorption

12mm: Class D, NRC 0.45 – with 24mm air gap: Class C, NRC 0.70.

24mm: Class D, NRC 0.65 – with 24mm air gap: Class C, NRC 0.80.

12mm TVS Absorb Baffles at 300mm depth and placed at 200mm centres achieve Class A absorption (Class C at 300mm centres).

24mm TVS Absorb Baffles at 300mm depth and placed at 200mm centres achieve Class A absorption (Class B at 400mm centres).

Fire Ratings

Fire rating ISO 9705: Classification: Group 1-S, AS ISO 9705 – 2003

Classification: Group 1, EN13501-1:2007+A1:2009: B - s2, d2

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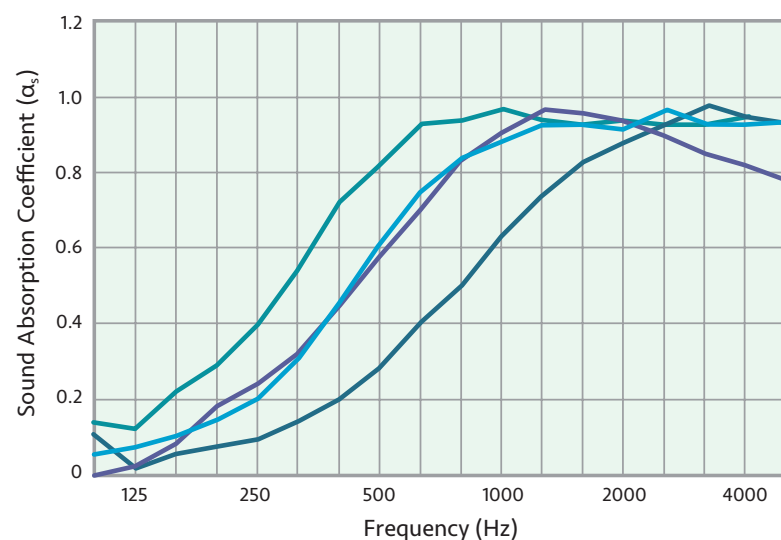
Product Specifications

Product Name	TVS ABSorb Baffle
Composition	100% Polyester Fibre (PET)
Panel Dimensions	1200mm x 2400mm (+5mm/-0mm) (+10mm/-0mm)
Thickness	12mm (+/- 6%) 24mm (+/- 6%)
Weight	2400gsm (+/- 10%) 4800gsm (+/- 10%)
Density	200kg/m ³

Acoustic Performance

TVS ABSorb Baffle is specifically designed to reduce and control reverberated (echo) noise in building interiors.

Minimum Noise Reduction Coefficient 0.45



Frequency (Hz)	125	250	500	1000	2000	4000	NRC
12mm TVS ABSorb Baffle	0.05	0.10	0.30	0.65	0.90	0.95	0.45
12mm TVS ABSorb Baffle (with 25mm air gap)	0.02	0.27	0.61	0.91	0.97	0.85	0.70
24mm TVS ABSorb Baffle	0.10	0.25	0.60	0.90	0.95	0.95	0.65
24mm TVS ABSorb Baffle (with 25mm air gap)	0.15	0.40	0.85	0.95	0.95	0.95	0.80

TVS ABSorb Baffle
Product Data Sheet PDS 1.1 TVS ABSorb Baffle
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