

Add-On PET Acoustic Panel

SPECIFICATIONS SHEET

Specifications

PET Acoustic Panel

Moss Wall with PET Acoustic Backing

WildLed

SPECIFICATIONS

Composition

PET acoustic material is engineered from recycled polyethylene terephthalate (PET) fibers. It features a unique structure of thermally bonded fibers, creating a stable matrix that combines dense and loose fiber zones. This composition optimizes sound absorption while maintaining structural integrity and durability.

Size and Shape

We offer custom PET backing available in all sizes and shapes to suit your project.

Weight

Approximately 0.5 pound per square foot.

Thickness

Ranges from 0.25 to 0.75 inches.

Health

Our PET panel has been tested for formaldehyde emissions: E0 result in European Union Standard.

*Formaldehyde Emission Standards

European Union Standard (E0/E1)

Formaldehyde Emission Classifications:

- Class E0: ≤ 0.5 mg/L

- Class E1: ≤ 1.5 mg/L

- Class E2: ≤ 5.0 mg/L

Fire Resistance

Our PET panel have been ASTM E84 Test: Class A Result in Flammability.

*American Standard (ASTM) ASTM E84

Surface Burning Characteristics:

- Class A: Flame Spread Index 0-25

- Class B: Flame Spread Index 26-75

- Class C: Flame Spread Index 76-200

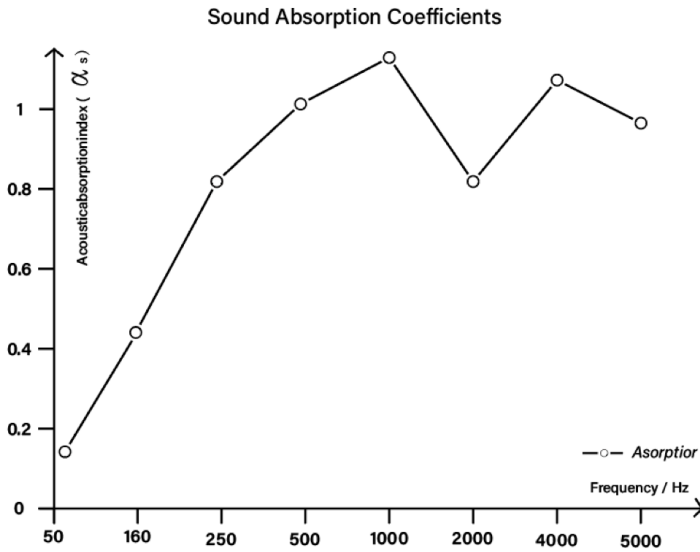
Sustainability

Our PET acoustic material demonstrates strong environmental responsibility through its use of 100% recycled polyethylene terephthalate fibers. This repurposing of post-consumer PET helps reduce plastic waste while creating a high-performance acoustic solution. The material is also fully recyclable at the end of its lifecycle, supporting a circular economy approach to construction materials.

Acoustics

NRC = 0.95 (A)

Sound Absorption: NRC rating: 95% and SAA rating: 85%



*Sound Absorption Classification (NRC/SAA)

Noise Reduction Coefficient Ratings:

- Class A: 0.90-1.00 (Superior absorption)
- Class B: 0.80-0.89 (Good absorption)
- Class C: 0.60-0.79 (Moderate absorption)
- Class D: 0.30-0.59 (Poor absorption)
- Class E: 0.15-0.29 (Minimal absorption)

Testing Standards:

- ISO 354: Reverberation Room Method
- ASTM C423: Sound Absorption Testing
- EN ISO 11654: Sound Absorbers for Use in Buildings - Rating of Sound Absorption

Technical Notes:

- NRC: Noise Reduction Coefficient
- SAA: Sound Absorption Average

PET Acoustic Panel



Standard Dimensions

Size: 4' x 8' (48" x 96")

Thickness: 3/8"

Weight: 8.4 pounds per standard panel

Moss Wall with PET Acoustic Backing

The application of PET acoustic backing panels enhances sound absorption performance in the project, making it ideal for spaces with high acoustic requirements such as offices, conference rooms, operating theaters, and fitness centers. Its superior sound-dampening properties create optimal acoustic environments where noise control is essential.

