

Polyester Acoustic Solutions High Performance Sound Absorption PET Felt Interior Design

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: MQ Acoustics
- Minimum Order Quantity: 100pcs
- Price: 15.9/pc 100-200 pcs
- Packaging Details: Carton Box, Pallet
- Delivery Time: 5-8 work day
- Payment Terms: T/T

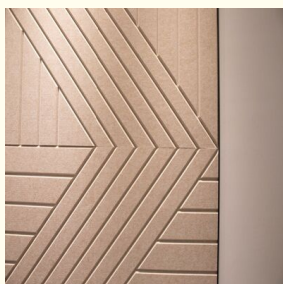


Product Specification

- Product Name: Polyester Fiber Acoustic Board
- Material: 100% Polyester Fiber
- Standard Size: 1220*2440mm/customized
- Thickness: 9/12/24mm/customized
- Density: 1350g-3700gsm
- Color: More Than 48 Colors To Be Chosen
- Application: Office Building, Office, Meeting Room, Multi-Function Hall, Etc.
- Origin: China
- NRC: 0.80-0.9
- Transport Package: Carton Box & Pallet
- Function: Interior Decoration And Sound Absorbing
- Warranty: 3 Years
- Acoustic Type: Sound Absorbing Material
- Shape: Hexagon



More Images



Product Description

Product Introduction

It is a non-woven textile material engineered from recycled polyethylene terephthalate (PET) fibers—primarily from post-consumer plastic bottles. Unlike standard felts, "high-performance" versions are specifically designed with advanced manufacturing techniques (like needling and thermal bonding) to create a dense, porous, and tortuous structure that is exceptionally effective at absorbing sound waves.

The core principle is sustainability meets performance. It offers an eco-friendly acoustic solution without compromising on effectiveness.

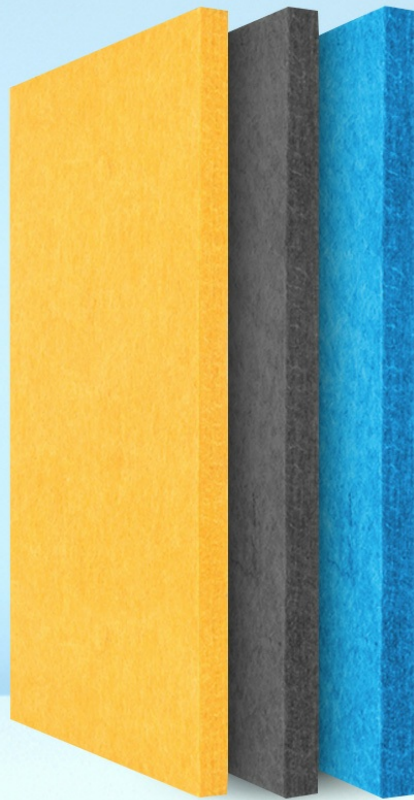
Product Name	Polyester Fiber Acoustic Panel
Application	Walls, Ceilings
Material	100% Polyester Fiber
Thickness	9mm / 12mm / 24mm
Color	more than 48 colors options (customizable upon request)
Size	1220*2440mm / 1200*600mm(custom sizes available)
Fire Rating	Class B
Eco-Certification	Meets E1 environmental standards, formaldehyde-free, odorless

Advantages Over Traditional Acoustic Materials

Feature	High-Performance PET Felt	Traditional Glass/Mineral Wool
Sustainability	Excellent. Made from recycled bottles, is 100% recyclable, and has a low carbon footprint.	Fair to Poor. Energy-intensive production. Can be recycled but often ends up in landfill. Irritating to handle.
Health & Safety	Excellent. Non-irritating to skin and lungs. No harmful VOCs or fibers. Safe and easy to install.	Poor. Fibers are respiratory and skin irritants. Requires PPE during installation.
Moisture Resistance	Excellent. Hydrophobic (does not absorb water). Will not rot, mold, or mildew.	Poor. Absorbs moisture, losing insulating properties and promoting mold growth.
Weight & Flexibility	Lightweight, flexible, and easy to cut and shape with a knife or scissors.	Heavy, dense, and can be brittle. Can sag if not properly supported.
Aesthetics	High. Available in many colors, textures, and can be die-cut into complex shapes. Often used as a visible finish material.	Always requires a covering or facade. Not visually appealing.
Fire Performance	Typically Class B / Class 2 fire-rated (flammable but self-extinguishing). Can be treated for higher ratings.	Inorganic and non-combustible (Class A).



Polyester Fiber Acoustic Panel



MQ ACOUSTICS

PET Acoustic Panel Color Chart



AM-01 Snow White



AM-02 Porcelain White



AM-03 Camel



AM-04 Silver Gray



AM-05 Longan Yellow



AM-06 Deep Camel



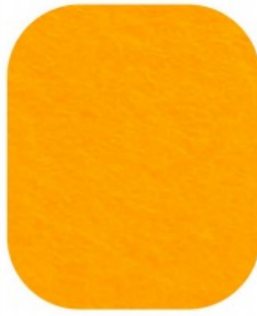
AM-07 Pure Camel



AM-08 Copper



AM-09 Lemon Yellow



AM-10 Orange



AM-11 Milk Coffee



AM-12 Tangerine



AM-13 Light Coffee



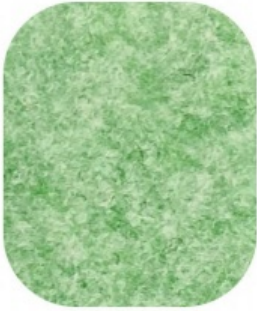
AM-14 Light Yellow



AM-15 Fruit Green



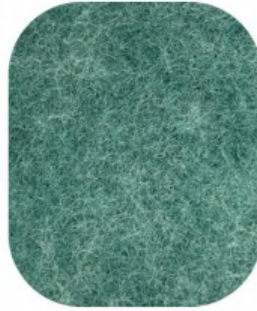
AM-16 Plum Green



AM-17 Autumn Leaves Green



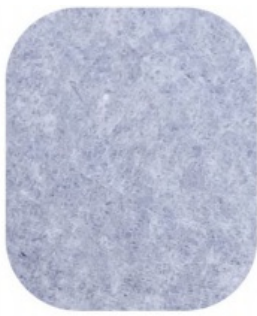
AM-18 Emerald Green



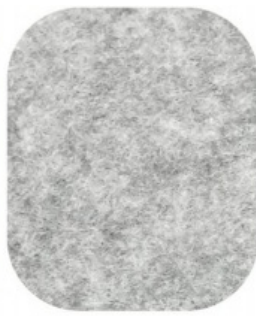
AM-19 Malachite Green



AM-20 Dark Green



AM-21 Smoke Gray



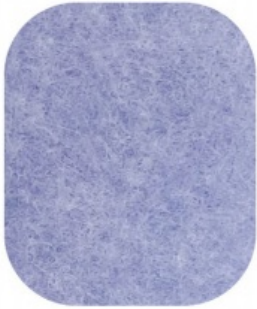
AM-22 African Gray



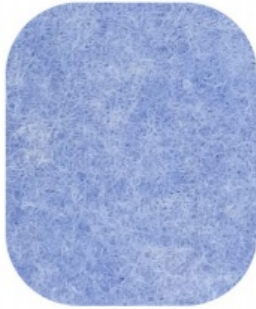
AM-23 Moonlight Gray



AM-24 Dark Gray



AM-25 Water Gray



AM-26 Light Sky Blue



AM-27 Sky Blue



AM-28 Sea Blue



AM-29 Turquoise Green



AM-30 Tiffany Blue



AM-31 Starry Sky Blue



AM-32 Dark Blue



AM-33 Dark Brown



AM-34 Red Coffee



AM-35 Coffee



AM-36 Sesame Black



AM-37 Linen



AM-38 Beige



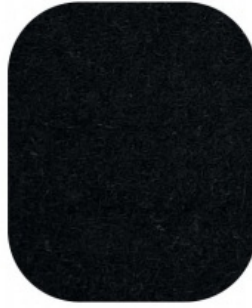
AM-39 Flesh Pink



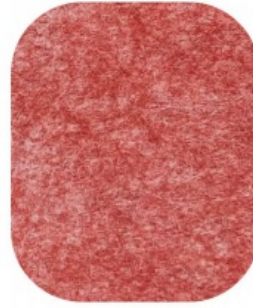
AM-40 Begonia Red



AM-41 AM Blue



AM-42 Black



AM-43 Watermelon Red



AM-44 Dark Red



AM-45 Pink



AM-46 Rose



AM-47 Violet



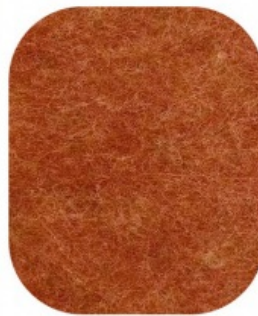
AM-48 Matcha



AM-49 BMW Blue



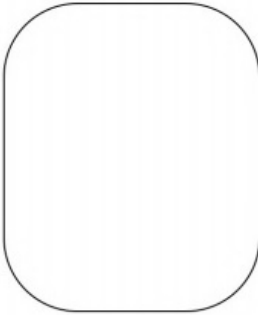
AM-50 Cyan Blue



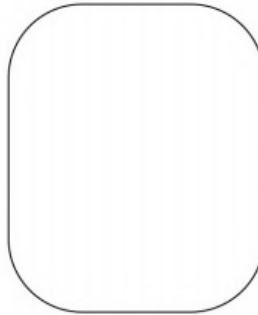
AM-51 Rust Red



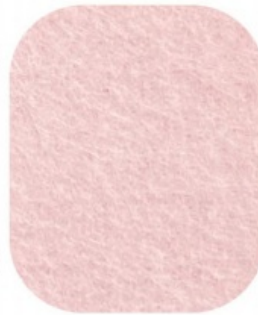
AM-52 Havana Orange



AM-53 PURE RED



AM-54 Pure Blue



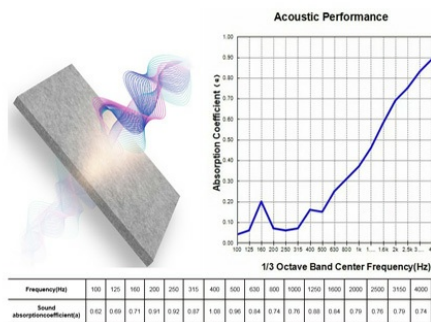
AM-55



AM-56

Product Features

1/ **Excellent sound absorbing performance:**
The NRC can be 0.85 to 0.94



2/ **Easy installation**
To cut by knife and easy to install by glue or nail



3/ **Good physical stability**
Can meet ASTM E84-2016



4/ **Various of Color for Option**
Can easily realize the designer's inspiration



Company Profile

About Us



Magic Cube (MQ) Acoustics is a professional acoustic solution provider, integrating acoustic material manufacturing, architectural acoustical environment construction and industrial noise control. We are committed to the combination of Acoustics & Aesthetic, to offering our clients the best acoustic solution with high quality acoustic material.

In order to meet the higher needs of customers, we has introduced advanced production equipment which has fully guaranteed product quality and technology. After 5 years of rapid development, we has an annual output of more than 500,000 square meters of



various acoustic materials.



FAQ

1. Can I get free samples and how long does it take to produce samples?

If the samples you need are in our stock, they will be provided to you free of charge. Customized samples usually take about a

week to produce.

2. Do you accept OEM or ODM order?

Yes, as a manufacturer, we can produce acoustic materials based on your samples or drawings. Please do not hesitate to contact us.

3. How to get an accurate quotation?

Can provide us with detailed product information, such as pattern, core material, surface, etc. If you have CAD or other drawings,

don't hesitate to send it to us.

4. Payment terms

T/T 30% deposit before production, 70% balanced payment before delivery.

For more information, please feel free to contact us.



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