

# XPRESSIVE ACOUSTICAL

PET FELT WALL PANEL & 3D SHAPES



# ACOUSTICAL PET FELT WALL PANELS & 3D SHAPES

Xpressive™ PET Felt Wall Panels & 3D Shapes is a custom tool for creating custom angle cuts and designs on antibacterial panels. PET Felt Wall Panel & 3D Shapes allows you to explore the possibilities of the design realm and the color realm, adding depth, nuance, and texture to interior spaces while dealing with acoustics in the process.

A double-layer carved 3D panel made from PET acoustic boards using 100% polyester fiber as the raw material. The panels are bonded into two layers through an eco-friendly process, and the customer's preferred pattern is selected and carved using CNC technology. This creates a new, stylish interior decorative material with a strong sense of form.

Depending on the chosen pattern and color, it can be used in conference rooms, offices, schools, kindergartens, early-education centers, cinemas, living rooms, studies, and many other spaces.

Its standout design, along with the material's inherent properties—sound absorption, environmental friendliness, antibacterial performance, flame resistance, and thermal insulation—make it highly favored by designers and customers.

## KEY FEATURES & BENEFITS

- **High Acoustical Performance**

Reduces reverberation and improves speech intelligibility in open and high-volume spaces.

- **Architectural Expression**

Available in geometric and custom shapes for expressive ceiling designs.

- **Seamless Appearance**

Precision-formed baffles with clean edges and no visible joints.

- **Sustainable PET Felt**

Manufactured from recycled plastic bottles and fully recyclable.

- **Lightweight & Easy to Install**

Suspended using discreet aircraft cable systems for clean integration.

- **Color Customization**

Broad palette of neutral, warm, and vibrant colors to complement any interior.

## PERFORMANCE

Xpressive™ PET Felt Wall Panels & 3D Shapes are engineered to absorb mid-to-high frequency sound energy commonly found in open environments.

### 100% Polyester Fiber

**Sound Absorption Rating:**  
Class 1

**Sound Absorption Coefficient:**  
0.80

### Fire Resistance Rating

- U.S. Standard: ASTM E84 Class A
- European Standard: EN 13501-1 Class B

## MATERIAL COMPOSITION

- **Material:** PET Felt
- **Recycled Content:** Up to 60% post-consumer recycled PET
- **Thickness Options:** Typically 9 mm – 12 mm – 25 mm (custom thickness available)
- **VOC Emissions:** Low-VOC, indoor air quality compliant
- **Fire Performance:** Class A (ASTM E84), when applicable

## APPLICATIONS

- **Open-plan Offices**
- **Conference and Collaboration Spaces**
- **Lobbies and Reception Areas**
- **Classrooms and Lecture Halls**
- **Libraries**
- **Restaurants and Hospitality Spaces**
- **Transit and public interiors**

## SUSTAINABILITY

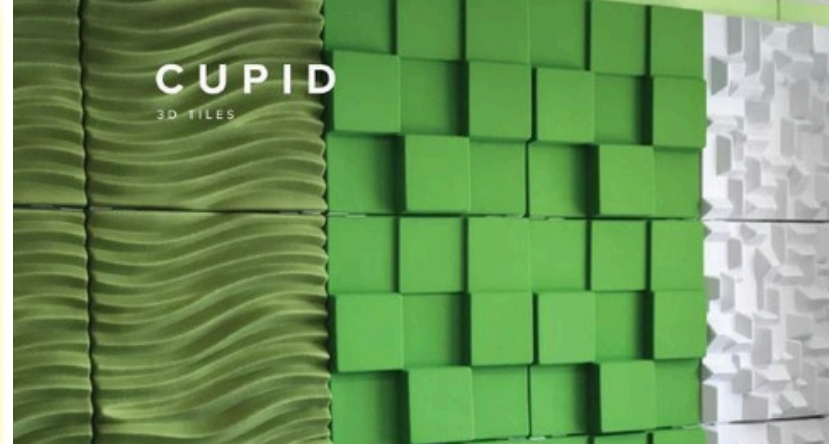
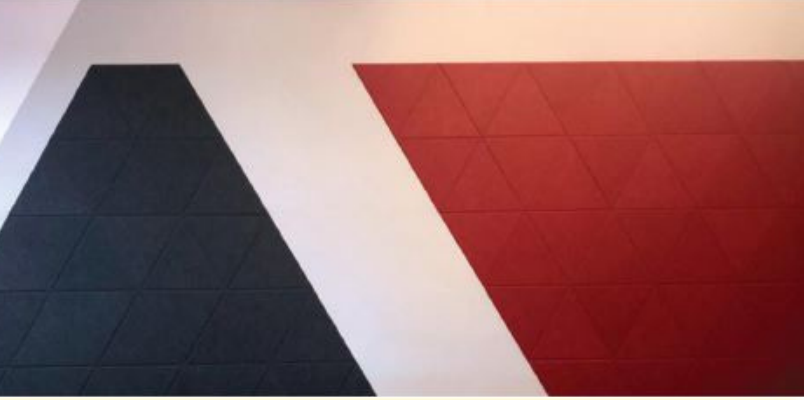
Xpressive™ Acoustical PET Felt Wall Panels & 3D Shapes support sustainable building initiatives and contribute toward LEED and WELL Building Standard goals.

- Made from recycled PET
- Lightweight for reduced transportation impact
- Long lifecycle with minimal maintenance

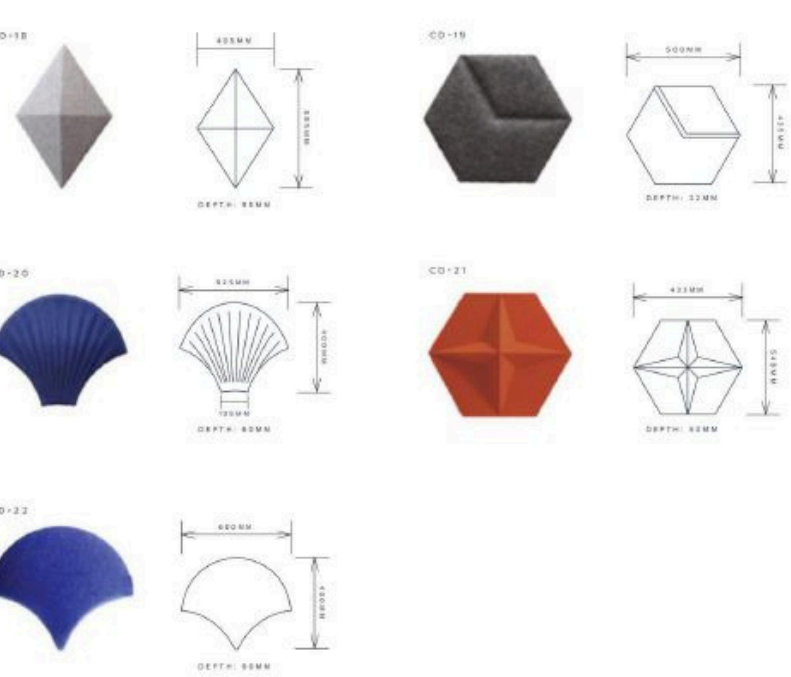
# WHY XPRESSIVE™

Xpressive is where acoustics meet art—giving designers the ability to control sound while creating walls that inspire. Whether subtle or bold, linear or geometric, Xpressive PET Felt Acoustical.

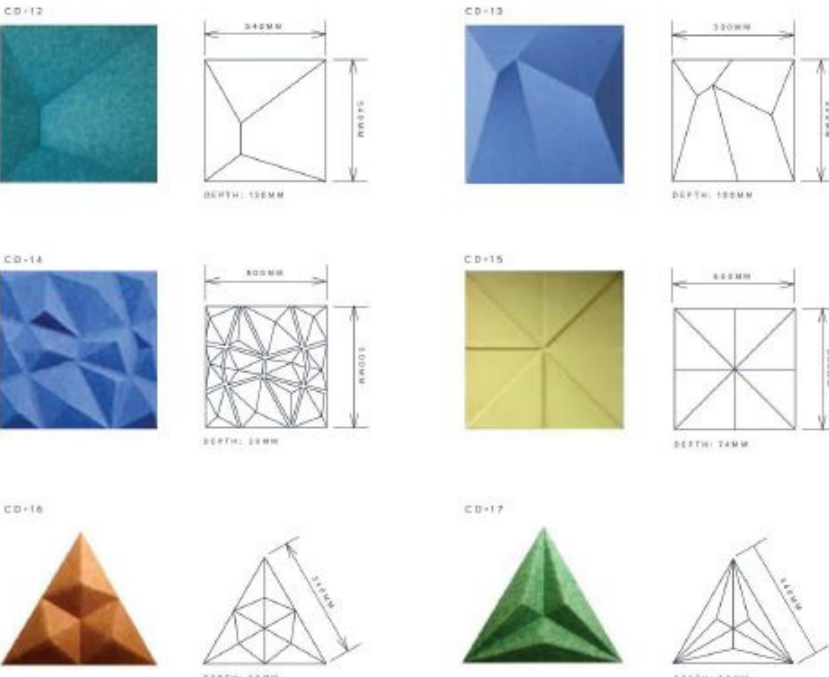




AVAILABLE DESIGNS



AVAILABLE DESIGNS



# DIAMOND T MANUFACTURING, INC.

## YOUR PARTNER IN ARCHITECTURAL METAL & ACOUSTICAL SOLUTIONS

Since 2013, Diamond T Manufacturing, Inc. (DTMI) has been a trusted leader in architectural metals fabrication and acoustical design solutions. We specialize in creating custom products that elevate spaces with unmatched design, aesthetics, acoustical performance, and decorative appeal.

### Our Expertise Includes:

- Architectural Metal Products
- Acoustical Metal Ceilings
- Metal Wall Panels
- Column Covers
- Acoustical Solutions with PET Felt & Fabric
- Felt Ceiling Baffles
- Wall Panels / V-Groove Carving Panels
- Ceiling Pods / Acoustical Shapes
- Fabric-Wrapped Wall Panels
- Sound Absorbing Products

At DTMI, we combine precision craftsmanship with innovative design to deliver tailored solutions for architects, designers, and builders. Whether you need standard products or fully customized architectural elements, we have the experience and capability to bring your vision to life.

### Why Choose Diamond T?

- ✓ Over a decade of proven expertise
- ✓ Custom fabrication for unique projects
- ✓ Commitment to quality and performance
- ✓ Solutions that blend beauty with functionality

TRANSFORM YOUR SPACE WITH DTMI'S ARCHITECTURAL AND ACOUSTICAL PRODUCTS. LET'S CREATE SOMETHING EXTRAORDINARY TOGETHER.



Diamond T Manufacturing, Inc  
Jamie Eason  
770-900-2585  
Jamieeason@diamondtmanufacturing.com  
www.diamondtmanufacturing.com