



# MuteX™ Acoustic, Soundproofing & Thermal Insulation Fabric

By Core Products Group

## PRODUCT DESCRIPTION

MuteX™ is a high-performance acoustic, soundproofing, and thermal insulation fabric engineered for commercial and residential building applications. Designed as a lightweight, flexible composite, MuteX provides superior noise control, heat insulation, and fire performance within a single layer. It is ideal for walls, ceilings, floors, and mechanical spaces where space efficiency and performance are critical.

## TECHNICAL SPECIFICATIONS

Property	Specification	Test Standard
Thickness	0.205 inch ± 0.020 inch (5 ft) Standard (PE backing) / EZ Stick PSA	0.24 lb/ft <sup>2</sup> 60 Internal QC
Weight	Verified low heat transmission 120 350 32 (2x4 wall assembly, 5/8 inch drywall each side)	Film melt: ASTM D3776
Roll Width	496°F / Backing melt: 356°F	— — ASTM
Available Forms		C518 ASTM
Thermal Performance		E84 ASTM E84
Flame Spread Index		ASTM E2249
Smoke Developed Index		—
Sound Transmission Class		
Temperature Resistance		

## PERFORMANCE HIGHLIGHTS

- **Broadband Acoustic Barrier:** Provides class-leading sound control; improves speech privacy and impact noise reduction.
- **Thermal Insulation:** Reduces heat transfer, improving occupant comfort and HVAC efficiency.

- **Fire Performance:** Meets Class C (Flame Spread Index 120 / Smoke Developed Index 350) per ASTM E84 on 5/8 inch Type X gypsum.
- **Lightweight & Flexible:** 0.24 lb/ft<sup>2</sup> for easy handling and overhead installation.

## INSTALLATION OPTIONS

- **Standard (Less Expensive):** Attaches with staples or mechanical fasteners directly to foundational studs, plates, and joists. Ideal before drywall or sheathing; fast, tool-friendly install.
- **EZ Stick PSA:** Peel and stick pressure-sensitive adhesive backing for rapid retrofit applications — no mechanical fasteners required.

## ROI COMPARISON (VS. LEGACY MATERIALS)

Category	Typical Alternative	MuteX Advantage (Updated)
Material Cost	MLV (\$4.00–\$5.50/sf)	Installed: \$2.75–\$3.99/sf (Standard or EZ Stick PSA)
Labor Time	2–3x longer (layered systems)	Up to 50% faster install (single layer)
Freight & Handling	Heavy (1.0–1.5 lb/sf)	Light (0.24 lb/sf)
Fire Rating	Requires additional barrier	Built-in E84 compliance
Space Impact	Thick & rigid	Slim (0.205 inch) flexible sheet

Estimated ROI: 15–25% cost savings on installed wall systems; up to 40% labor savings on retrofits.