



Waterproof Acoustic Felt Panel

PRODUCT SHEET

Enhancing Acoustic Panels with Water-Resistant Properties

In the realm of noise control, acoustic panels play a pivotal role. Whether mitigating construction-related clamor or taming the disruptive hum of a generator, these panels offer solace, protection, and tranquility. However, a challenge persists: many acoustic panels—despite their sound-absorbing prowess—also exhibit an affinity for water and moisture. This dual nature poses several issues:

1. Weight Dilemma:

When water infiltrates acoustic panels, their weight increases beyond design specifications. Imagine a featherbed suddenly laden with raindrops—it loses its buoyancy. Similarly, water-logged panels compromise their intended functionality.

2. Acoustic Erosion:

Moisture infiltrates the very fabric of acoustic performance. Sound waves, once absorbed with precision, now encounter dampened resistance. The symphony falters.

3. Mold and Mildew Intrusion:

Moist environments foster unwelcome guests: mold and mildew. These spores thrive, silently undermining panel integrity. The result? A discordant note in the harmony of design.

4. Lingering Moisture:

Evaporation, like a tardy guest, takes days. By the time it departs, irreversible damage may have occurred—a stain on the canvas of acoustic excellence.

Solutions: Enter FeltVibe® Acoustic Felt, a beacon of innovation. Crafted from recycled polyester—transforming discarded plastic bottles into purposeful elegance—FeltVibe® marries acoustic finesse with water resistance.

Let us explore its merits:

1. Hydrophobic Marvel:

FeltVibe® scoffs at water. It repels liquid like a seasoned diplomat deflecting unwarranted questions. Poolside or rain-soaked, it remains poised.

2. Weightlessness Preserved:

Unlike a waterlogged ship, FeltVibe® maintains its lightness. No sinking sensations here—only buoyant acoustics.

3. Acoustic Sorcery Unleashed:

Sound waves bow to FeltVibe®. Moisture may knock, but the performance endures. No dampened crescendos.

4. Mold-Proof Vigilance:

Mold spores, seeking refuge, find no foothold. FeltVibe® guards its purity—a sentinel against unwanted guests.

5. Evaporation Efficiency:

Moisture lingers, but FeltVibe® handles it deftly. Evaporation dances, leaving no scars.

Applications:

- **Bathrooms with Poise:** FeltVibe® graces bathroom walls, absorbing echoes while sidestepping steam.
- **Poolside Serenity:** Loungers sip piña colodas, cocooned in FeltVibe®'s hushed embrace.
- **Outdoor Oasis:** Patios, gazebos—FeltVibe® thrives, a waterproof picnic blanket for sound.

In the symphony of materials, FeltVibe® strikes a harmonious chord—waterproof, yet resonant. Let its notes echo through your spaces, a testament to sustainable elegance

Waterproof Acoustic Felt Panel

SPECIFICATIONS

COMPOSITION	100% polyester (PET) fiber
DIMENSIONS	Max. Width: 1500mm
THICKNESS / WEIGHT	9mm (±0.5mm) / min. 1300 g/m ² (±10%) / max. 1800 g/m ² (±10%) 11mm (±0.5mm) / min. 1800 g/m ² (±10%) / max. 2000 g/m ² (±10%)
COLOUR	ARKETA Black
ACOUSTIC	NRC: up to 0.64 Class D (subject to mounting conditions)
THERMAL RESISTANCE	0.0446 W/m ² K, ISO 110902:2014
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
LIGHT FASTNESS	4+ (ISO 105 - B02)
ENVIRONMENT	Min. %60 recycled PET Non VOCs emission formaldehyde free and Phenol-free Oekotex Class 1, Phthalate Free

WATER RESISTANCE-RAIN TEST; AATCC 35:2018

Test samples were conditioned at % 65±5 RH, 21±2°C prior to testing.

Water temperature: 21±1°C

Spraying Time: 5 minutes

Water Level: 24"

Water penetration (g)	RESULT	REQUIREMENT
	0.00 gr	PASS





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