FELTBAY
FROM PLASTIC TO PURPOSE

BROCHURE · EDITION 2026
ACOUSTIC & ARCHITECTURAL MATERIALS
MANUFACTURED IN THE UNITED ARAB EMIRATES

FROM PLASTIC TO PURPOSE

Precision PET Felt. Globally Delivered

ACOUSTIC MATERIALS · REIMAGINED

ENGINEERED AT MATERIAL LEVEL

A foundation for acoustic and architectural applications, high-performance PET felt sheets manufactured to tight tolerances, ready for CNC, layering, and bespoke composition.

CONTENTS

Inside this Edition.

A concise overview of FeltBay's material philosophy, manufacturing capability, certifications, and the applications our PET felt sheets enable, from quiet workplaces to calm care environments.

01 Introduction

02 Mission & Vision

03 Sustainability

04 Certifications & Standards

05 Laboratory & Quality Control

06 Performance Overview

07 Performance & Manufacturing

08 Product Range

09 Colours & Finishes

10 Applications

11 Global Supply Advantage

12 Why FeltBay

01 · INTRODUCTION

Designed for better spaces. Engineered for Performance.

FeltBay manufactures high-performance PET felt sheets engineered as the foundation for acoustic and architectural applications.

RECYCLED CONTENT	COLOUR RANGE	THICKNESS
80%	40+	5-25 mm



MISSION

To redefine eco-friendly design.

Transforming plastic waste into high-quality materials that inspire creativity, durability, and positive change, material that respects the spaces it occupies and the specifiers who work with it.

VISION

A global movement from the UAE.

To lead sustainable innovation where design meets responsibility, and every creation, from acoustic baffle to architectural wall, contributes to a cleaner, brighter future.

03 · SUSTAINABILITY

Circular by Design. Built to Last.

PET felt begins as a post-consumer waste stream and ends as a specified material in spaces that outlive fit-out cycles. Every step is measured against lifecycle, emissions and recyclability.

80%	Recycled content Up to 80% post-consumer PET	✓
Low	Low VOC emissions Tested for indoor air quality	✓
100%	Fully recyclable Reusable at end of life	✓
Long	Long Lifecycle Durable in high-traffic environments	✓



04 · CERTIFICATIONS & STANDARDS

Verified Performance. Documented Compliance.

FeltBay is tested against the international codes specifiers rely on. Compliance is documented per batch and available on request for tender submissions, fit-out packages, and building certifications.

FIRE PERFORMANCE

Tested to international fire standards.

- **EN 13501-1**
  B-S1, D0
- **ASTM E84**
  CLASS A

ENVIRONMENTAL & QUALITY

Transparent sourcing, consistent manufacturing.

- **OEKO-TEX®**
  TESTED FOR SUBSTANCES
- **ISO 9001**
  QUALITY MANAGEMENT
- **ISO 14001**
  ENVIRONMENTAL MANAGEMENT
- **ISO 45001**
  OCCUPATIONAL H&S

ADDITIONAL	AUDIT CYCLE	DOCUMENTS
Low VOC · GRS aligned	Annual · Independent	Per batch · On request

05 · LABORATORY & QUALITY CONTROL

Material Integrity. Developed. Verified.

An in-house development lab pairs with third-party testing partners to validate every stage, from fibre formulation to finished sheet. What reaches the specifier is measured, documented, and repeatable.

IN-HOUSE

Development & QA

- Product development
- QA / QC control
- Material testing & optimisation

THIRD-PARTY

Independent validation

- Fire testing
- Acoustic certification
- Environmental validation

Global Recycled Standard · OEKO-TEX® · Recycled 100 claim standard · Recycled Blended claim standard · BREEAM® · إستدامة estidama · International WELL Building Institute · U.S. Green Building Council



APPLICATION · HOSPITALITY

Designed to behave predictably under spotlight.

06 · PERFORMANCE OVERVIEW

Performance, **Engineered** at Material Level.

Four core pillars define every FeltBay sheet. They are not features added in finishing — they are properties built into the material during manufacture.

PILLAR 01

Fire Performance

Controlled formulation and batch consistency produce repeatable fire behaviour across every production run.

EN 13501-1 · ASTM E84

PILLAR 02

Acoustic Capability

Engineered fibre architecture delivers sound absorption profiles for open-plan, hospitality, and clinical environments.

INDEPENDENTLY LABORATORY TESTED

PILLAR 03

Durability

Dense, stable, and dimensionally consistent, built to perform through long fit-out lifecycles in high-traffic spaces.

LONG-LIFECYCLE MATERIAL

PILLAR 04

Workability

CNC-friendly sheet behaviour, clean edges, and stable cutting performance across every thickness in the range.

CNC · LASER · HAND-CUT

07 · PERFORMANCE & MANUFACTURING

Consistency You Can **Specify** With Confidence.

FIRE PERFORMANCE

03 control points

Controlled formulation

SPECIFICATION LOCKED

Fibre blend & density defined at specification.

Consistent manufacturing

BATCH QA/QC

Batch-to-batch variance actively monitored.

Verified standards

DOCUMENTED

Third-party reports filed per production lot.

MANUFACTURING

03 control points

Tight tolerances

PRECISION

Thickness & density held within narrow bands.

Colour consistency

UNIFORM

Sheet-to-sheet uniformity for predictable finishing.

Engineered fibres

ENGINEERED

Fibre selection optimised for acoustic behaviour.

09 · COLOURS & FINISHES

40+ customisable colours. One material language.

Five curated themes organise the standard palette with Light Reflectance Value. Custom colours are available to specification, developed in-lab and matched against submitted references.



DESERT



FOREST



VIBRANT



COASTAL



STONE

STANDARD PALETTE

40+ curated colours

CUSTOM MATCHING

To specification, MOQ applies

SAMPLING

Physical swatches on request

THEME 01 · OF 05

Desert

WARM · GROUNDED
TACTILE · SUN-BAKED
HERITAGE · RESTFUL



NOUR IVRA SAHARA MASA DUNE



ZIYA TERRA WADI SAVANNAH



CEDAR DATE





THEME 02 · OF 05

Forest

BOTANICAL · NATURAL
SERENE · RESTORATIVE
LIVING · BALANCED


MAHA


ZENA


RAYAN


ASEL


NAEL


LAYAN


TALA


LURA







THEME 04 · OF 05

Vibrant

BOLD · CONFIDENT
EXPRESSIVE · HOSPITABLE
PUNCTUATING · ALIVE


LULU


AURI


NARI


AMARA


RUBI


AVEN





THEME 03 · OF 05

Coastal

COOL · TRANQUIL
REFRESHING · FOCUSED
CLEAR · DEEP


SAMA


DANA


HAWA


ALYA


LAZ


NYLA


REEF







THEME 05 · OF 05

Stone

CALM · BALANCED
TIMELESS · UNDERSTATED
ARCHITECTURAL · PRECISE





10 · APPLICATIONS

Specified Across Every Interior Type.

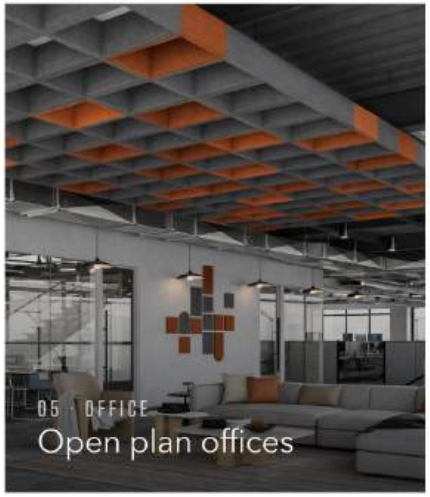
From corporate workplaces to care environments, PET felt sheet adapts to program and acoustic brief. Below: a selection of application references from studios we supply.















II · GLOBAL SUPPLY ADVANTAGE

Positioned between East and West. Manufactured in the UAE.

UAE-origin production can reduce import-duty exposure in premium markets, giving our projects a stronger landed-cost position against international competitors.

MANUFACTURED IN
United Arab Emirates



PREMIUM MARKET ADVANTAGE

CA Canada	EU Europe	JP Japan	BR Brazil
IN India	SC Scandinavia	US United States	SA South Africa
NZ New Zealand	UK United Kingdom	MA Morocco	AU Australia

LEAD TIME
Reduced

INVENTORY
Lower carry

CURRENCY
USD-pegged

TARIFFS
Preferential

12 · WHY FELTBAY

The Material Behind Better Spaces.

01
Precision Engineered

Specification-grade tolerances at sheet level - density, thickness and fibre blend held consistent across every batch

02
Globally Certified

EN, ASTM, OEKO-TEX, GRS, RCS and ISO standards for specifier and tender use.

03
Scalable

Capacity and logistics built for project volumes - from studio samples to multi-container supply delivered on program.

04
Sustainable

Up to 80% recycled content, low VOC, fully recyclable - material that aligns with BREEAM, LEED, WELL and Estidama.

FELTBAY
FROM PLASTIC TO PURPOSE

FROM PLASTIC TO PURPOSE
PRECISION PET FELT. GLOBALLY DELIVERED.

Acoustic materials, reimagined at the substrate level.

HEADQUARTERS
United Arab Emirates

WEBSITE
feltbay.com

GENERAL ENQUIRIES
info@feltbay.com

PHONE NUMBER
+971-26413516

© FELTBAY 2026 · ALL RIGHTS RESERVED

EDITION I · BROCHURE