

ACOUSTIC
FELT



FeltVibe®



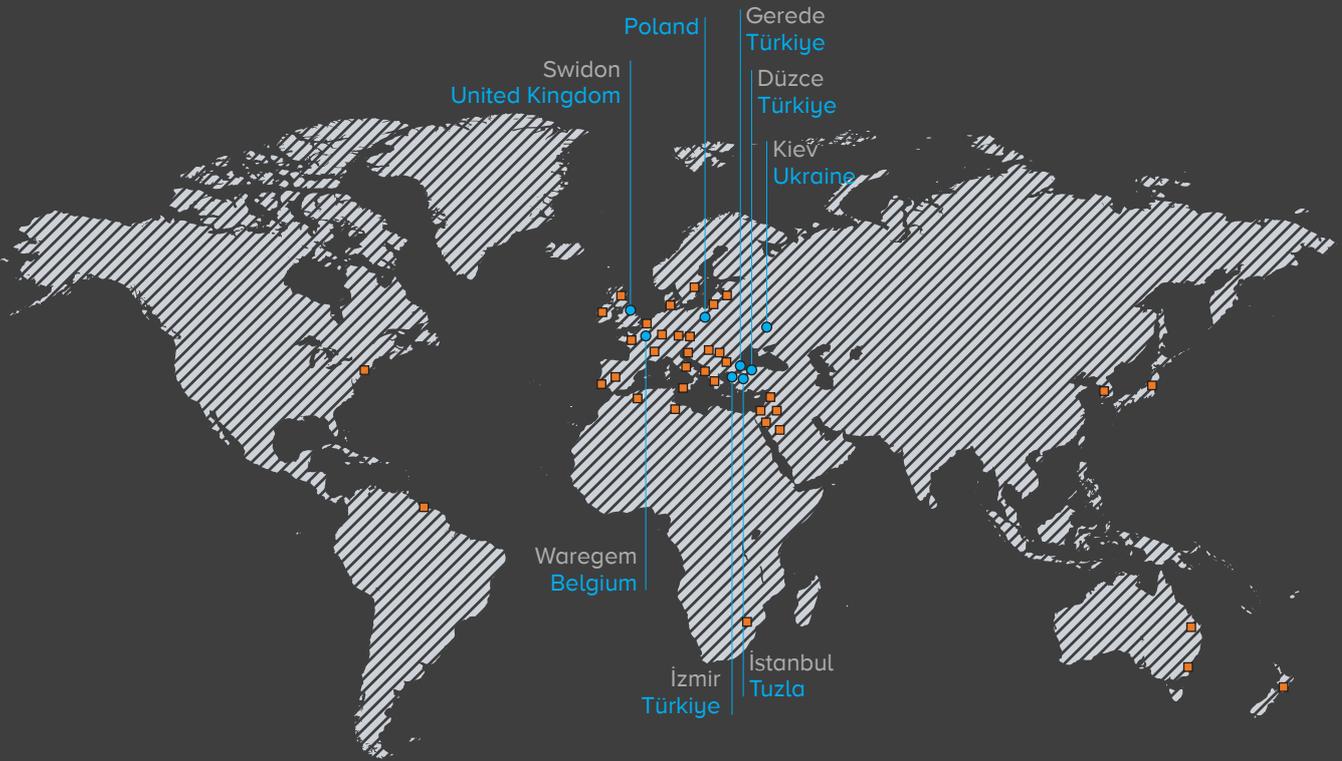
Architectural PET Felt Acoustic Panels

PRODUCT GUIDE

In 68 Countries

Gentuğ Textile continues to contribute to our national economy by exporting its world-class products to more than 68 countries with exemplary customer service.

Australia, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Irak, Ireland, Israel, Italy, Japan, Jordan, Lithuania, Libya, Macendonia, Malta, Netherlands, New Zealand, Poland, Portugal, Queensland, S. Africa, S.Korea, Scotland, Slovakia, Slovenia, Spain, Sweden, Switzerland, Syria, Suriname, Turkey, Ukraine, UAE, USA...



- Operating Countries
- Representative Office

About Us

Local Manufacturing

We are proud to support design and manufacturing in Türkiye. Over 90% of our textile and acoustic products are produced locally.

Our History

Founded in 1917 as a textile-focused venture, Gentuğ has grown far beyond woven fabrics—evolving into a leader in decorative acoustic solutions. Our journey represents a unique blend of textile heritage and advanced acoustic innovation. From looms to acoustic landscapes, each step reflects a deliberate commitment to design, quality, and progress.

Over the years, we have embraced a future where uniqueness meets performance—creating modern decorative acoustic products that enhance interiors and redefine aesthetic standards.

Today, Felt Vibe® stands at the intersection of textile legacy and acoustic ingenuity. Our story is one of transformation: where the threads of the past seamlessly weave into a vibrant acoustic future—offering decorative acoustic panels, sound insulation, and thermal insulation solutions.

Felt Vibe® global design, local production

Our state-of-the-art research and development facility is supported by a strong team of industrial designers, product engineers, and acoustics specialists. With three dedicated production facilities, comprehensive sales and project (specification) teams, and a local support network available in many countries across four continents, we aim to deliver an innovative experience worldwide through our products and solutions.

Felt Vibe® produces design-driven architectural acoustic solutions. Our PET felt raw material offers outstanding acoustic performance and, thanks to its fully customizable structure, supports a wide range of applications from ceilings and walls to divider systems and furniture.

We collaborate directly with architects, interior designers, fit-out and renovation companies, as well as global brands. We provide our local partners with high-performance products made from PET felt. Thanks to the flexibility of our material, we can offer a wide variety of design alternatives, rich color options, and bespoke printing capabilities.



Düzce Factory

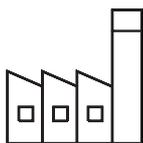


Gerede Factory



Tuzla Factory

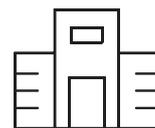
Business Overview



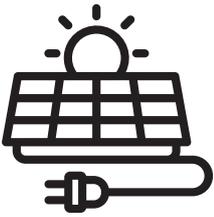
3 Factories
in Gerede, Tuzla, and Düzce



500 Employees
in Total



55.000 m²
Closed Production
Floor Spaces



WE CONTINUE TO PRODUCE WHILE CONTRIBUTING TO A SUSTAINABLE FUTURE.

Generating our own energy is an important part of our responsibility to the environment and the future. At Gentuž Tekstil, we are taking meaningful steps toward sustainability by using rooftop solar power at our facility. With a roof area of 20,000 m², a DC capacity of 1,952.5 kWp, an AC capacity of 1,430 kW, and 3,929 solar panels, we achieve an estimated annual reduction of 957.6 tons of CO₂e. This impact is equivalent to the benefit of approximately 43,527 trees and can cover the annual electricity needs of around 598 households (estimates may vary based on calculation methodology).

At Gentuž Tekstil, we remain committed to contributing to a sustainable future through responsible production.

3.929
solar
panels

957.6
tons
of CO₂
emissions

43.527
trees/year
equivalent
production

598
homes/year
equivalent
energy
consumption

Sustainability

Imagine reducing plastic waste and helping restore balance in our environment. At FeltVibe®, our work is transformational, literally. We upcycle PET fiber into acoustic panels engineered for performance, then precision-cut them to match your design and acoustic requirements.

By upcycling this way, we give you another reason to choose more sustainable materials in the products you specify.



What Makes PET Acoustic Panels Better?

PET is a very energy-efficient material. Although its raw materials are derived from crude oil and natural gas, it enjoys a very favorable sustainability profile in comparison to glass, aluminum, and other materials.

The high strength of PET in comparison to its light weight is a major key to its energy efficiency. This allows for more products to be delivered in less packaging while using less fuel for transport.

Ongoing advances in light-weighting technology continue to improve its energy efficiency, and life cycle studies of PET have consistently confirmed its environmental benefits.

In the 60 years since PET was first synthesized, it has become one of the world's most widely used, versatile, and trusted materials.

Our Commitment to The Environment

FeltVibe® panels are made from 100% PET fiber, with 60% derived from recycled plastic water bottles.

FeltVibe® is produced using a clean, efficient process based on needle-punch and thermo-bonding technology. This process is designed for low energy use and does not generate process wastewater. It is adhesive-free, and the panels are engineered to support low VOC emissions for healthier interior spaces.

Converting Waste Into Innovation



1

FeltVibe® Arketa Acoustic PET Felt Panels collections are produced from post-consumer recycled plastic drink bottles, keeping waste out of landfills.



2

Discarded drink bottles are cleaned and shredded into flakes, then melted and extruded into naturally white fibers.



3

The regenerated fibers are clean and odorless, just like virgin fibers.



4

The regenerated fibers are then colored or printed and used to construct brand new products like, panels and baffles.



Acoustic PET Felt Panels



PET Felt Insulation



Thermoformed PET Felt



Automotive-Grade PET Felt

Our Production

Experienced staff and a full range of equipment allow us to create even the most complex designs. This is why our customer base is constantly growing: our flexibility, reliability and high quality are a credit to our production department.



Dot-coated Machine

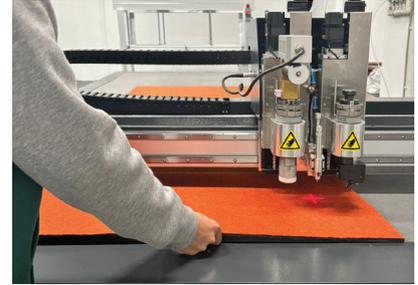
Experience personalized acoustic panels with Dot-coated PET Felt Fabric, offering a range of colors and collections for ARKETA Panel materials.

Dot-coated PET Felt Fabric, allows for creative, stylish transformations with adjustable material thickness for enhanced acoustic performance.



We Thermoform Pet Felt

We are experts on PET felt and how it behaves during processing. When heated, it becomes extremely pliable and can be given unique shapes using the right machines. We have of presses: vacuum so that we can achieve the best results in line with our customers' expectations.



We Perform CNC Cutting

We offer computer-controlled cutting services that allow for highly detailed shapes and precise patterns. Our process ensures efficient material use with minimal waste, while enabling components to be easily combined. The system also supports cutting at various angles, making it ideal for V-cut and chamfered edges. This technology provides extensive design flexibility and virtually limitless possibilities in form and structure.



Pinsonic Printed Machine

We apply geometric shapes on to acoustic felt with the pinsonic printed technique. With our 3 different decorative and modern pattern collections, we provide a sophisticated character and dimension layer to acoustic felt panels.



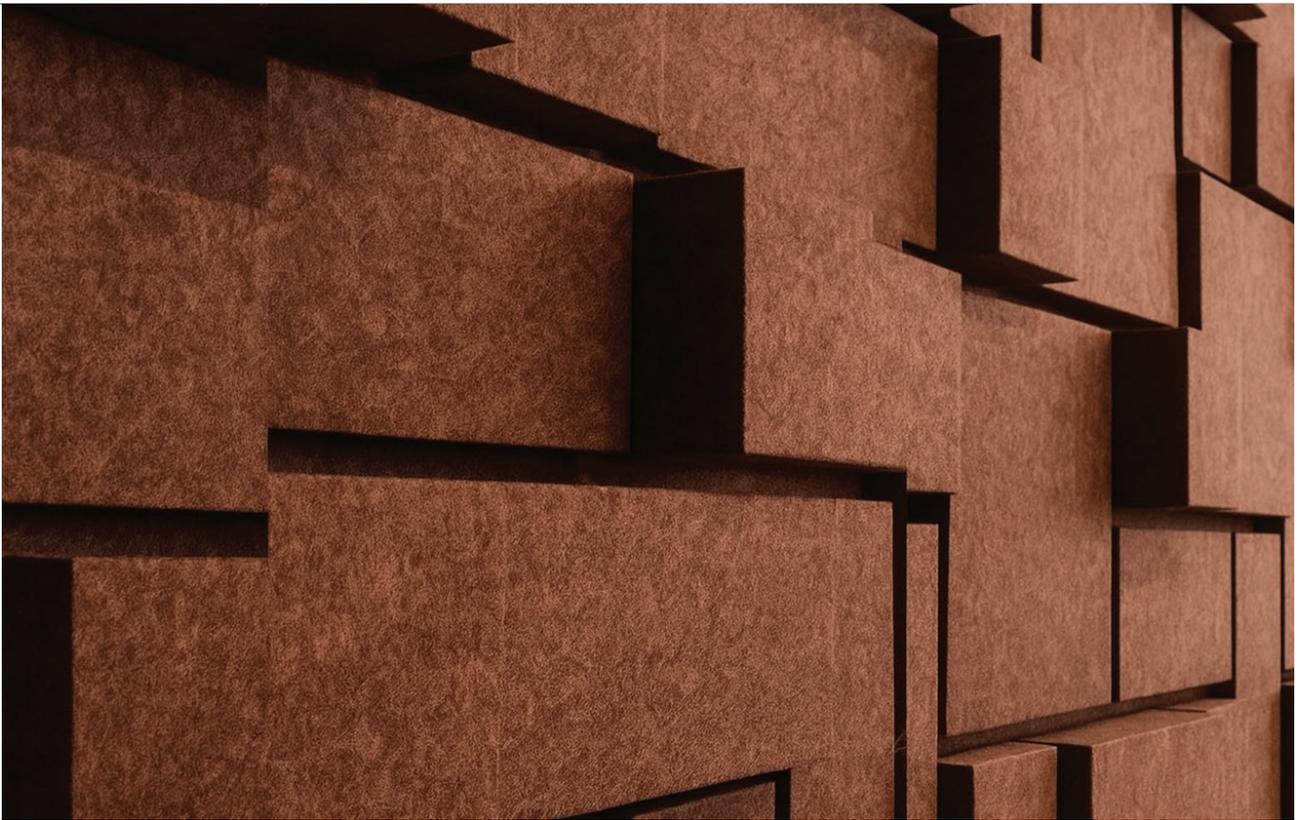
Inkjet Printing Machine

We offer inkjet printing services on PET felt panels. Using our advanced inkjet printing technology, patterns, graphics, and custom designs are applied with high resolution, clarity, and long-lasting quality. This process allows PET felt panels to be customized both functionally and visually to meet project-specific requirements.



PET Felt Production Machine

Using our PET felt production machine, we manufacture high-quality felt panels from fibers derived from recycled PET bottles. The process includes fiber forming, needle punching, and thermal pressing to achieve durable, consistent, and functional PET felt products suitable for acoustic and insulation applications.



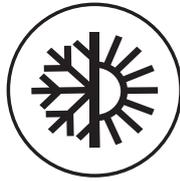
Key Features



ACOUSTIC



FIRE RATED



INSULATION



RESISTANT



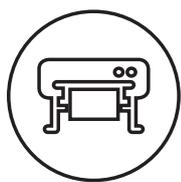
RECYCLED



ECO-FRIENDLIY



TACKABLE



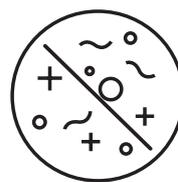
PRINTABLE



LIGHTWEIGHT



VOC FREE



ANTIBACTERIAL



EASY TO CLEAN

FeltVibe® offers the design and architecture community limitless possibilities for addressing acoustic challenges, thanks to its flexible application options.

We welcome collaborations with international design studios, artists, and brands, and we're always excited to push the boundaries of what's possible.





ARKETA Acoustic PET Felt Panels

PET Felt is an eco-friendly and long-lasting material produced from recycled plastic bottles. Thanks to its open-cell structure, it provides high sound absorption and strong acoustic performance. Its soft surface ensures safe use, while its impact-resistant nature makes it highly durable. In addition, it can be easily shaped and processed to suit a wide range of applications.

ARKETA is a high-performance sound absorber with a layered structure, offering a wide range of options in terms of thickness, density, and acoustic performance. It is available in 13 standard neutral colors. Arketa is made of 100% PET fiber, at least 60% of which is derived from recycled plastic bottles; making it a sustainable acoustic panel solution that delivers both effective acoustic performance and environmental responsibility.

SPECIFICATIONS

COMPOSITION	60% Recycled Polyester (PET) (100% Pes)
DIMENSIONS	Width: Production is made between 250mm and 2700mm.
THICKNESS & WEIGHT	3mm (±0.5mm) 550 g/m ² (±10%) 5mm (±0.5mm) 700 g/m ² (±10%) 6mm (±0.5mm) 1100 g/m ² (±10%) 9mm (±0.5mm) 1100 g/m ² - 2000 g/m ² (±10%) 12mm (±0.5mm) 2400 g/m ² (±10%) 18mm (±0.5mm) 3000 g/m ² (±10%) 24mm (±0.5mm) 3500 g/m ² (±10%)
ACOUSTIC	9mm (±0.5mm) 1100 g/m ² (±10%) NRC: 0.30 (no air gap) 12mm (±0.5mm) 2400 g/m ² (±10%) NRC: 0.45 (no air gap) 12mm (±0.5mm) 2400 g/m ² (±10%) NRC: 0.85 (20cm gap) 18mm (±0.5mm) 3000 g/m ² (±10%) NRC: 0.85 (20cm gap) 24mm (±0.5mm) 3500 g/m ² (±10%) NRC: 0.90 (20cm gap)
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
THERMAL RESISTANCE	9mm (±0.5mm) 1100 g/m ² (±10%) = 0.0446 W/m.K 12mm (±0.5mm) 2400 g/m ² (±10%) = 0.0507 W/m.K 18mm (±0.5mm) 3000 g/m ² (±10%) = 0.0429 W/m.K 24mm (±0.5mm) 3500 g/m ² (±10%) = 0.0411 W/m.K
LIGHT FASTNESS	4+ (ISO 105 - B02)
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free, Oekotex Class 1, Phthalate Free
CLEANNING	Vacuum regularly. Professionally dry clean or wipe clean with a dampcloth.
GENERAL	Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.

Arketa PET Felt Panels Collection



Arketa R-1 Camel



Arketa R-2 Caramel



Arketa R-3 Tangerine



Arketa R-4 Warm Red



Arketa R-5 Forest Green



Arketa R-6 Cobalt Blue



Arketa R-7 Charcoal Grey



Arketa R-8 Lawn Green



Arketa R-9 White



Arketa R-10 Light Grey



Arketa R-11 Dark Grey



Arketa R-12 Black



Arketa R-13 Misty Black

Felt can be produced in custom thicknesses and weights (400–4000 g/m²). Please contact our production department for availability.



ARKETA Ecoco Acoustic PET Felt Panels

Why ARKETA Ecoco stands apart:

Truly 100% Recycled: Every fiber in ARKETA Ecoco including non-melt components comes from recycled PET.

Superior Acoustic Performance: Layered build enables high absorption with flexibility in thickness and density.

No-Melt Technology: Ensures enhanced thermal stability and structural integrity – without compromising on sustainability.

Natural Skin Finish: Easy to clean, durable, and resilient in demanding environments.

Industrial Friendly: Available in 'naked' form for direct application to walls and ceilings.

SPECIFICATIONS

COMPOSITION	%100 Recycled Polyester
DIMENSIONS	Width: Production is made between 250mm and 2700mm.
THICKNESS & WEIGHT	3mm (±0.5mm) 550 g/m ² (±10%) 9mm (±0.5mm) 1100 g/m ² - 2000 g/m ² (±10%) 12mm (±0.5mm) 2400 g/m ² (±10%) 18mm (±0.5mm) 3000 g/m ² (±10%) 24mm (±0.5mm) 3500 g/m ² (±10%)
ACOUSTIC	9mm (±0.5mm) 1100 g/m ² (±10%) NRC: 0.30 (no air gap), 12mm (±0.5mm) 2400 g/m ² (±10%) NRC: 0.45 (no air gap) 12mm (±0.5mm) 2400 g/m ² (±10%) NRC: 0.85 (20cm gap) 18mm (±0.5mm) 3000 g/m ² (±10%) NRC: 0.85 (20cm gap) 24mm (±0.5mm) 3500 g/m ² (±10%) NRC: 0.90 (20cm gap)
THERMAL RESISTANCE	9mm (±0.5mm) 1100 g/m ² (±10%) = 0.0446 W/m.K 12mm (±0.5mm) 2400 g/m ² (±10%) = 0.0507 W/m.K 18mm (±0.5mm) 3000 g/m ² (±10%) = 0.0429 W/m.K 24mm (±0.5mm) 3500 g/m ² (±10%) = 0.0411 W/m.K
LIGHT FASTNESS	4+ (ISO 105 - B02)
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free, Oekotex Class 1, Phthalate Free
CLEANNING	Vacuum regularly. Professionally dry clean or wipe clean with a dampcloth.
GENERAL	Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.

Arketa Ecoco PET Felt Panels Collection



Arketa Ecoco-01
Antique White



Arketa Ecoco-02
Light Grey



Arketa Ecoco-03
Grey



Arketa Ecoco-04
Dark Grey

Felt can be produced in custom thicknesses and weights (400–4000 g/m²). Please contact our production department for availability.



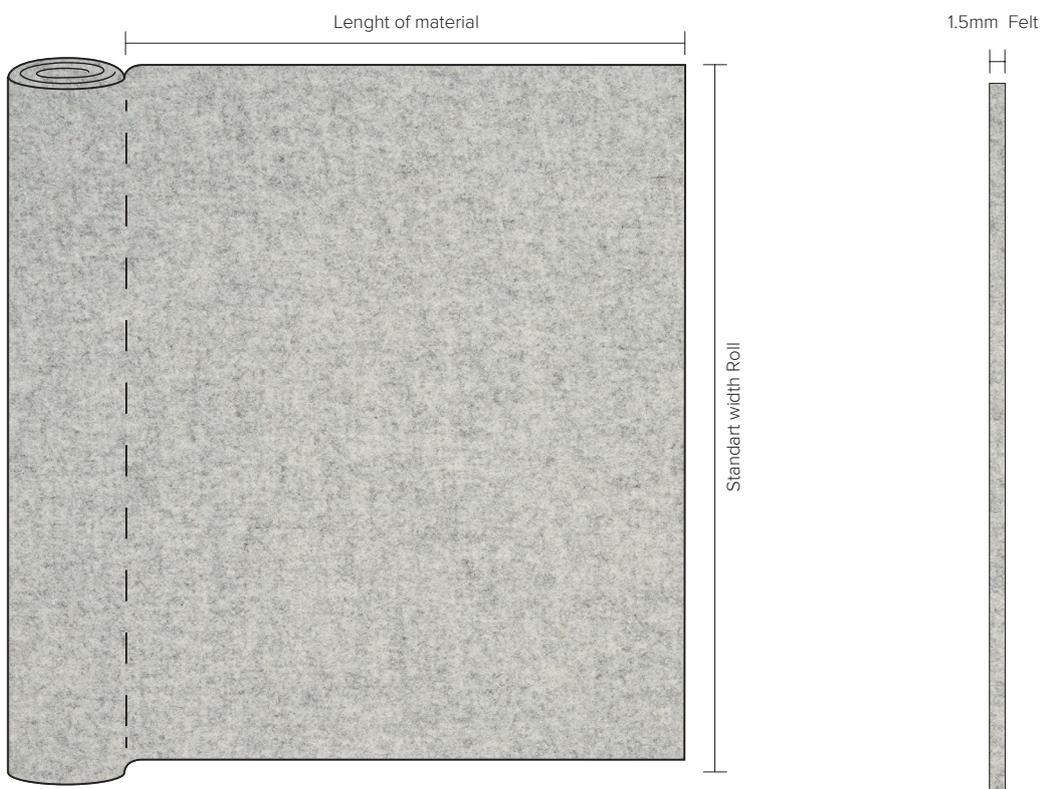
SATIS Acoustic PET Felt Fabrics

SATIS is our PET Felt Fabric Collection. It can be used in many decorative acoustic products and is also suitable for wall panel applications with direct bonding. Featuring an elegant texture, this felt has a thickness of 1.5 mm and is available in 30-meter rolls. SATIS PET Felt Fabrics offer a wide design flexibility with a rich color palette of 76 options in total, including 38 heathered and 38 flat colors.

SPECIFICATIONS

COMPOSITION	100% PES
DIMENSIONS	Max. width: 1500mm (-0/+3mm)
THICKNESS & WEIGHT	1.5mm (± 0.5 mm) 200 g/m ² ($\pm 10\%$) approx
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free Oekotex Class 1, Phthalate Free
LIGHT FASTNESS	4+ (ISO 105 - B02)
CLEANNING	Vacuum regularly. Professionally dry clean or wipe clean with a dampcloth.

Standard Sizes



Satis Heathered PET Felt Fabrics Collection



SATIS | K-001



SATIS | K-002



SATIS | K-003



SATIS | K-004



SATIS | K-005



SATIS | K-006



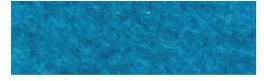
SATIS | K-007



SATIS | K-008



SATIS | K-009



SATIS | K-010



SATIS | K-011



SATIS | K-012



SATIS | K-013



SATIS | K-014



SATIS | K-015



SATIS | K-016



SATIS | K-017



SATIS | K-018



SATIS | K-019



SATIS | K-020



SATIS | K-021



SATIS | K-022



SATIS | K-023



SATIS | K-024



SATIS | K-025



SATIS | K-026



SATIS | K-027



SATIS | K-028



SATIS | K-029



SATIS | K-030



SATIS | K-031



SATIS | K-032



SATIS | K-033



SATIS | K-034



SATIS | K-035



SATIS | K-036



SATIS | K-037



SATIS | K-038

Satis Flat PET Felt Fabrics Collection



SATIS | D-001



SATIS | D-002



SATIS | D-003



SATIS | D-004



SATIS | D-005



SATIS | D-006



SATIS | D-007



SATIS | D-008



SATIS | D-009



SATIS | D-010



SATIS | D-011



SATIS | D-012



SATIS | D-013



SATIS | D-014



SATIS | D-015



SATIS | D-016



SATIS | D-017



SATIS | D-018



SATIS | D-019



SATIS | D-020



SATIS | D-021



SATIS | D-022



SATIS | D-023



SATIS | D-024



SATIS | D-025



SATIS | D-026



SATIS | D-027



SATIS | D-028



SATIS | D-029



SATIS | D-030



SATIS | D-031



SATIS | D-032



SATIS | D-033



SATIS | D-034



SATIS | D-035



SATIS | D-036



SATIS | D-037



SATIS | D-038



DOT-COATED Acoustic PET Felt Fabrics

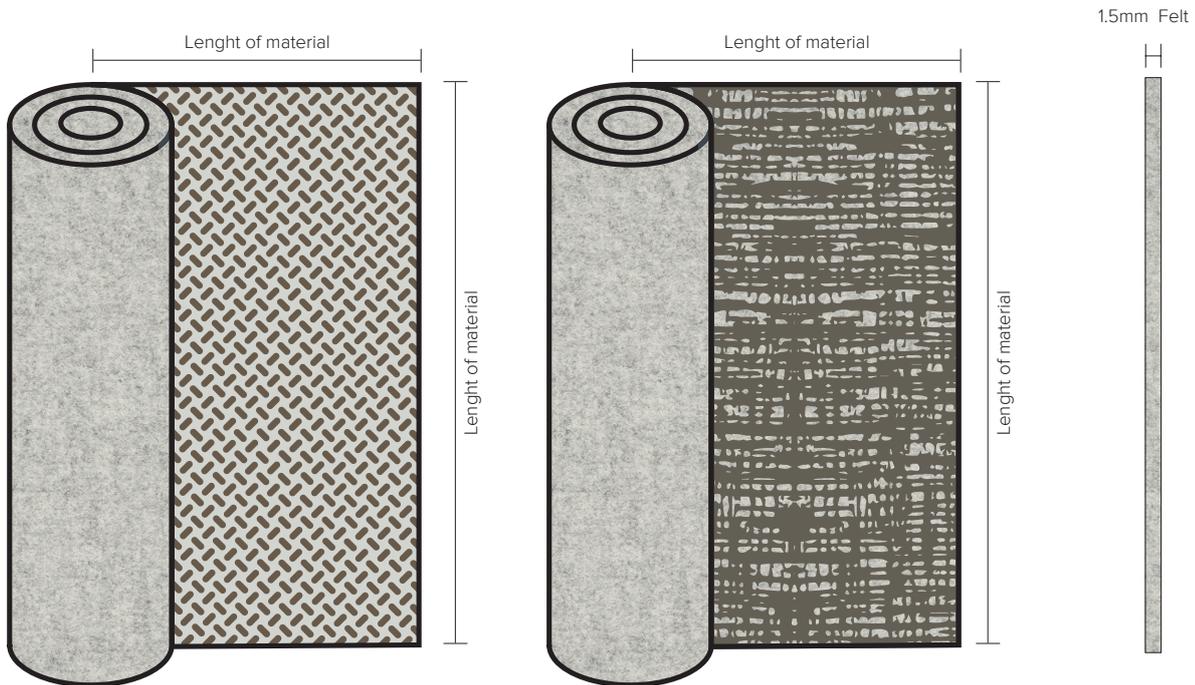
Our Dot-coated PET Felt Fabrics are a versatile solution for acoustic applications and decorative surface finishes, offering strong acoustic performance by helping to absorb sound and reduce unwanted reverberation. Available in a wide range of colors and patterns, they are supplied in roll form for flexible use and easy integration into various projects.

Designed for safer interiors, the fabric features non-VOC emissions and is formaldehyde-free and phenol-free. It is also OEKO-TEX® Class 1 certified and phthalate-free, making it a responsible and sustainable material choice.

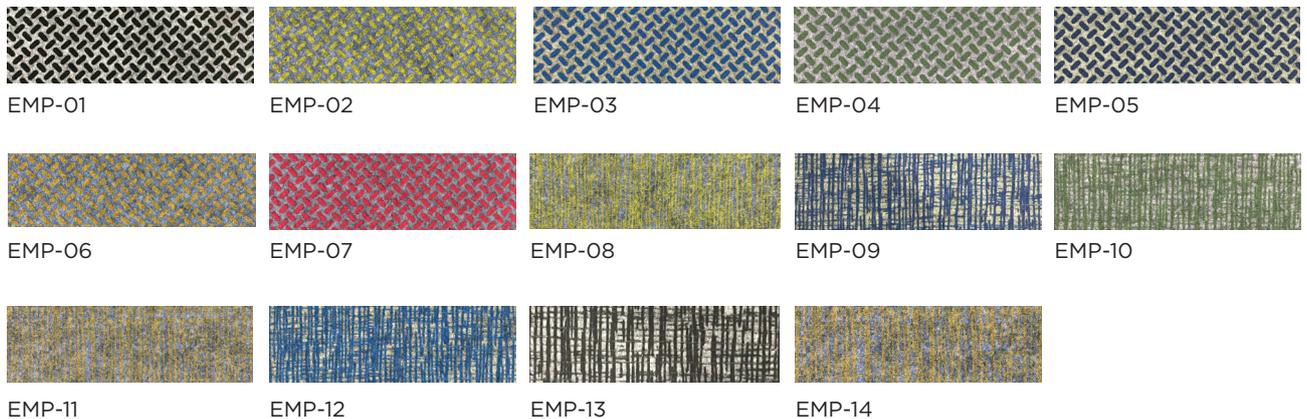
SPECIFICATIONS

COMPOSITION	100% PES
DIMENSIONS	Max. width: 240mm (-0/+3mm)
THICKNESS & WEIGHT	1.5mm (±0.5mm) 120 g/m ² and 230 g/m ² (±10%) approx
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free Oekotex Class 1, Phthalate Free
LIGHT FASTNESS	4+ (ISO 105 - B02)
CLEANNING	Vacuum regularly. Professionally dry clean or wipe clean with a dampcloth.

Standard Sizes



Dot-coated PET Felt Fabrics Collection





ICHOS Pet Felt Panels (Heathered & Flat)

ICHOS PET Felt Panels bring together the high acoustic performance of our ARKETA and ARKETA ECOCO PET felt collections with the aesthetic appeal and soft touch of our SATIS felt fabrics, offering an innovative solution. This way, acoustic comfort and design freedom come together in a single product.

ICHOS allows you to create unlimited color and texture combinations for all your projects.

SPECIFICATIONS

COMPOSITION	60% Recycled Polyester (PET) (100% Pes)
DIMENSIONS	Max. width: 1500mm (-0/+3mm)
THICKNESS & WEIGHT	4mm (±0.5mm) 1100 g/m ² + 200 g/m ² (±10%) 6mm (±0.5mm) 1500 g/m ² + 200 g/m ² (±10%) 9mm (±0.5mm) 1500 g/m ² + 200 g/m ² (±10%) - 1800 g/m ² + 200 g/m ² (±10%) 12mm (±0.5mm) 1800 g/m ² + 200 g/m ² (±10%) 9mm (±0.5mm) 1500 g/m ² + 200 g/m ² + 200 g/m ² (±10%) Double 12mm (±0.5mm) 1800 g/m ² + 200 g/m ² + 200 g/m ² (±10%) Double
ACOUSTIC	NRC: up to 0.20 - 0.85 (subject to mounting conditions)
LIGHT FASTNESS	4+ (ISO 105 - B02)
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free, Oekotex Class 1, Phthalate Free
GENERAL	Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.



ICHOS HEATHERED PET Felt Panels Collection



ICHOS | K-001

ICHOS | K-002

ICHOS | K-003

ICHOS | K-004

ICHOS | K-005



ICHOS | K-006

ICHOS | K-007

ICHOS | K-008

ICHOS | K-009

ICHOS | K-010



ICHOS | K-011

ICHOS | K-012

ICHOS | K-013

ICHOS | K-014

ICHOS | K-015



ICHOS | K-016

ICHOS | K-017

ICHOS | K-018

ICHOS | K-019

ICHOS | K-020



ICHOS | K-021

ICHOS | K-022

ICHOS | K-023

ICHOS | K-024

ICHOS | K-025



ICHOS | K-026

ICHOS | K-027

ICHOS | K-028

ICHOS | K-029

ICHOS | K-030



ICHOS | K-031

ICHOS | K-032

ICHOS | K-033

ICHOS | K-034

ICHOS | K-035



ICHOS | K-036

ICHOS | K-037

ICHOS | K-038

ICHOS FLAT PET Felt Panels Collection



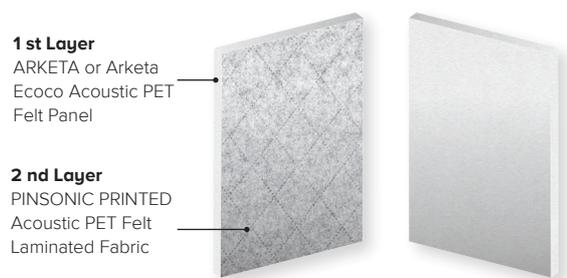


PINSONIC PRINTED Acoustic PET Felt Panels

Pinsonic Printed PET Felt Panels are our product range in which patterns and textures are created seamlessly on PET felt using heat and ultrasonic technology.

With adjustable material thickness, it enables creative and elegant transformations while delivering enhanced acoustic performance.

Pinsonic Printed PET Felt Panels are produced in three different pattern options and available in various color choices.



SPECIFICATIONS

COMPOSITION	60% Recycled Polyester (PET) (100% Pes)
DIMENSIONS	Max. width: 1500mm (-0/+3mm)
THICKNESS & WEIGHT	4mm (±0.5mm) 1100 g/m ² + 200 g/m ² (±10%) 6mm (±0.5mm) 1500 g/m ² + 200 g/m ² (±10%) 9mm (±0.5mm) 1500 g/m ² + 200 g/m ² (±10%) - 1800 g/m ² + 200 g/m ² (±10%) 12mm (±0.5mm) 1800 g/m ² + 200 g/m ² (±10%) 9mm (±0.5mm) 1500 g/m ² + 200 g/m ² + 200 g/m ² (±10%) Double 12mm (±0.5mm) 1800 g/m ² + 200 g/m ² + 200 g/m ² (±10%) Double
ACOUSTIC	NRC: up to 0.20 - 0.85 (subject to mounting conditions)
LIGHT FASTNESS	4+ (ISO 105 - B02)
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free, Oekotex Class 1, Phthalate Free
GENERAL	Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.

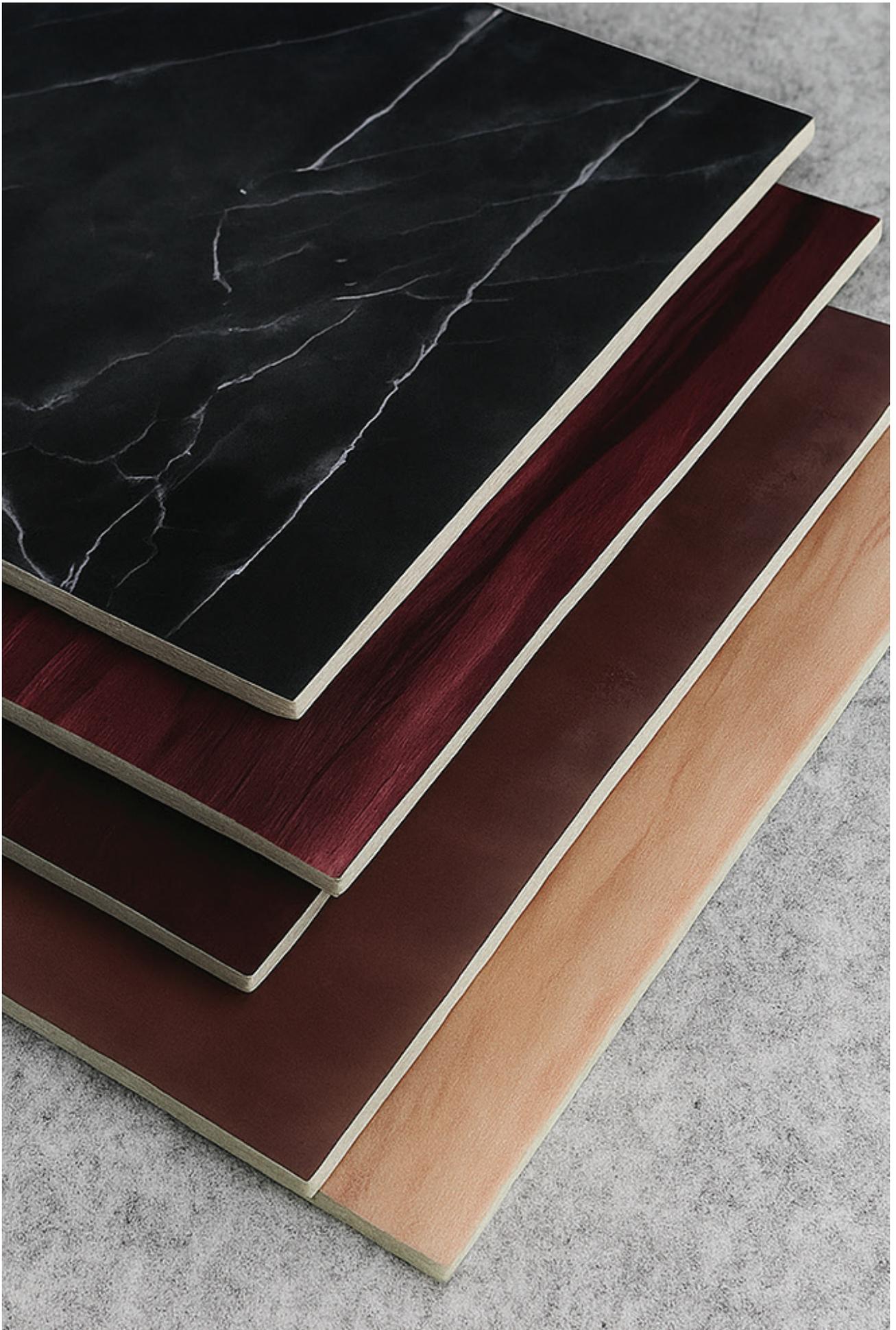
Pinsonic Printed PET Felt Panels Collection



PP-01

PP-02

PP-03



PRINTED Acoustic PET Felt Panels

Transform Any Space with Custom Printed Acoustic Felt Panels

We offer high-quality inkjet printing services on PET felt panels. Using advanced inkjet technology, we apply patterns, graphics, and fully custom designs with exceptional resolution, sharp detail, and long-lasting durability. This process allows PET felt panels to be tailored to each project's specific functional and visual requirements.

Printed Felt Wall Panels enables creative and stylish transformations, with adjustable material thickness to help optimize acoustic performance. Elevate your space with unique, customizable solutions that combine design freedom with sound comfort.

Printed Felt Wall Panels also allows you to create unlimited color and texture combinations for all your projects.

SPECIFICATIONS

COMPOSITION	60% Recycled Polyester (PET) (100% Pes)
DIMENSIONS	Max. width: 1500mm (-0/+3mm)
THICKNESS & WEIGHT	4mm (±0.5mm) 1100 g/m ² + 200 g/m ² (±10%) 6mm (±0.5mm) 1500 g/m ² + 200 g/m ² (±10%) 9mm (±0.5mm) 1500 g/m ² + 200 g/m ² (±10%) - 1800 g/m ² + 200 g/m ² (±10%) 12mm (±0.5mm) 1800 g/m ² + 200 g/m ² (±10%) 9mm (±0.5mm) 1500 g/m ² + 200 g/m ² + 200 g/m ² (±10%) Double 12mm (±0.5mm) 1800 g/m ² + 200 g/m ² + 200 g/m ² (±10%) Double
ACOUSTIC	NRC: up to 0.20 - 0.85 (subject to mounting conditions)
LIGHT FASTNESS	4+ (ISO 105 - B02)
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free, Oekotex Class 1, Phthalate Free
GENERAL	Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.

Printed PET Felt Panels Collection (Wood - Marble)



FP-01



FP-02



FP-03



FP-04



FP-05



FP-06



FP-07



FP-08



FP-09



FP-10



FP-11



FP-12



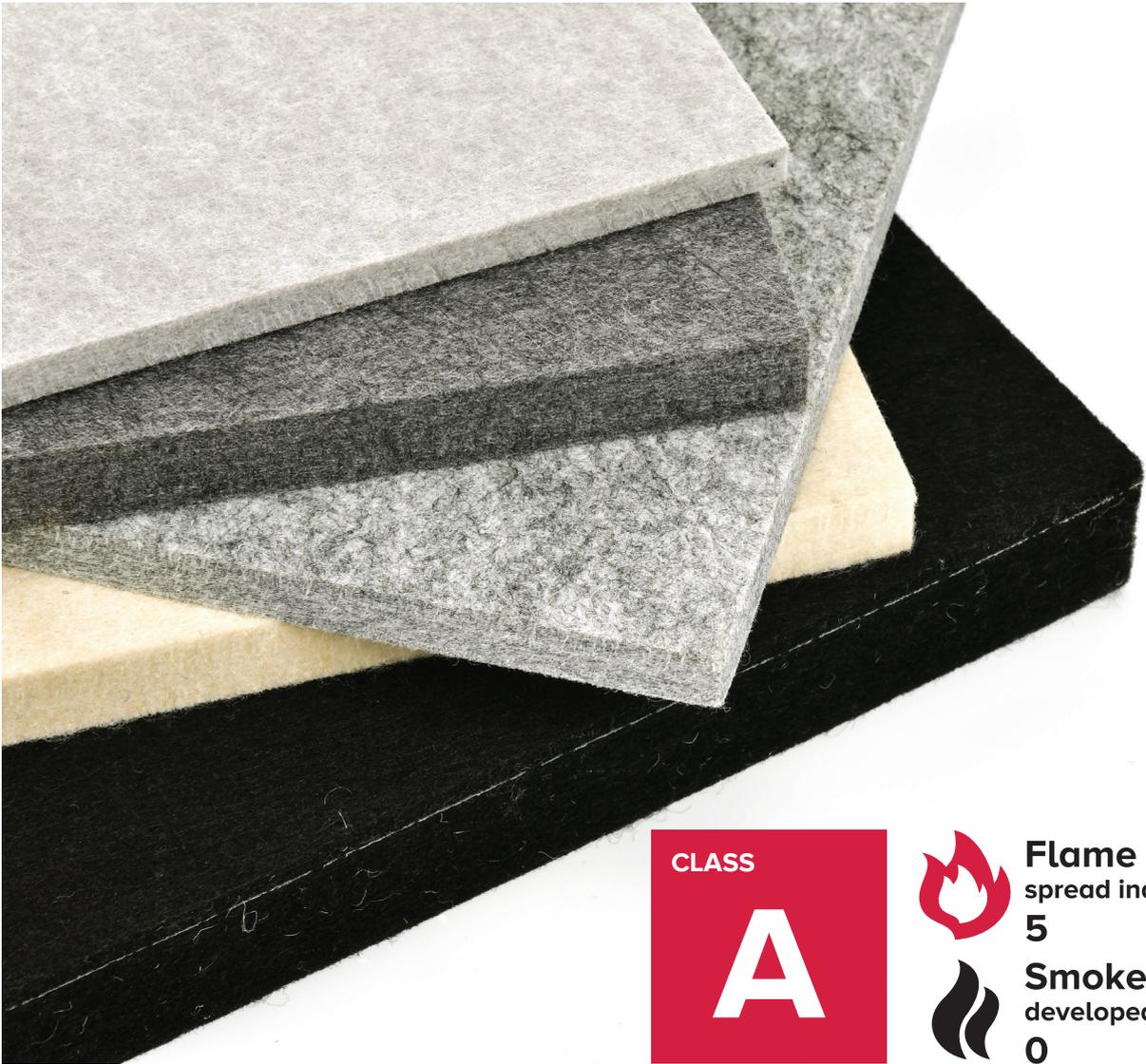
FP-13



FP-15



FP-16



ARKETA-FR

Class A Fire-Rated Acoustic PET Felt Panels

ARKETA PET Felt Panels – Sustainable, Durable & Class A Fire Rated

ARKETA PET Felt Panels is an eco-friendly and long-lasting material made from recycled plastic bottles. With its open-cell structure, it delivers excellent sound absorption and strong acoustic performance. Its soft surface ensures safe handling, while its impact-resistant construction makes it highly durable. ARKETA can also be easily shaped and processed to suit a wide range of applications.

ASTM E84 Fire Test – Class A Certified

ARKETA PET Felt Panel has been tested in accordance with ASTM E84, which evaluates Flame Spread Index (FSI) and Smoke Developed Index (SDI).

With test results of FSI: 5 and SDI: 0, ARKETA demonstrates very low flame spread and minimal smoke development, meeting the requirements for Class A fire rating under ASTM E84.

Note: Test results apply only to the tested sample under laboratory conditions.

SPECIFICATIONS

COMPOSITION	60% Recycled Polyester (PET) (100% Pes)
DIMENSIONS	Width: Production is made between 250mm and 2700mm.
THICKNESS & WEIGHT	9mm (±0.5mm), 1600 g/m ² (±10%)
ACOUSTIC	NRC: 0.35 (no air gap)
FIRE TEST STANDARDS	ASTM E 84 Class A
LIGHT FASTNESS	4+ (ISO 105 - B02)
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free Oekotex Class 1, Phthalate Free
CLEANNING	Vacuum regularly. Professionally dry clean or wipe clean with a dampcloth.
GENERAL	Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.

MEASURED VALUES AND THE TEST RESULTS

FSI [m.min]	0.60
FSI [ft.min]	1.97
SDI [%min]	2.32
Rounded FSI [ft.min]	5
Rounded SDI [%min]	0
Observation during the test:	No specific conditions were observed during the test.

Arketa-FR Class A Fire-Rated Acoustic PET Felt Panels Collection



Arketa FR-1 Camel



Arketa FR-2 Caramel



Arketa FR-3 Tangerine



Arketa FR-4 Warm Red



Arketa FR-5 Forest Green



Arketa FR-6 Cobalt Blue



Arketa FR-7 Charcoal Grey



Arketa FR-8 Lawn Green



Arketa FR-9 White



Arketa FR-10 Light Grey



Arketa FR-11 Dark Grey



Arketa FR-12 Black



Arketa FR-13 Misty Black



ICHOS-WR

Water-Resistant Acoustic PET Felt Panels

The Importance of Water Resistance in Acoustic Panels

Some acoustic panels can lose performance when exposed to moisture. Water uptake may increase weight, reduce sound absorption efficiency, and prolonged humidity can encourage mold growth. Moisture trapped for long periods can also raise the risk of long-term damage.

Water-Resistant Acoustic Performance with Ichos

With a hydrophobic structure, ICHOS-WR helps repel water and maintain its form, supporting consistent acoustic control in humid conditions. Its resistance to mold and mildew makes it suitable for demanding interior areas and covered outdoor applications. Fast drying behavior also helps limit moisture retention inside the panel.

SPECIFICATIONS

COMPOSITION	60% Recycled Polyester (PET) (100% Pes)
DIMENSIONS	Max. width: 1500mm (-0/+3mm)
THICKNESS & WEIGHT	4mm (±0.5mm) 1100 g/m ² + 200 g/m ² (±10%) 6mm (±0.5mm) 1500 g/m ² + 200 g/m ² (±10%) 9mm (±0.5mm) 1500 g/m ² + 200 g/m ² (±10%) - 1800 g/m ² + 200 g/m ² (±10%) 12mm (±0.5mm) 1800 g/m ² + 200 g/m ² (±10%) 9mm (±0.5mm) 1500 g/m ² + 200 g/m ² + 200 g/m ² (±10%) Double 12mm (±0.5mm) 1800 g/m ² + 200 g/m ² + 200 g/m ² (±10%) Double
ACOUSTIC	NRC: up to 0.20 - 0.85 (subject to mounting conditions)
LIGHT FASTNESS	4+ (ISO 105 - B02)
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free, Oekotex Class 1, Phthalate Free
CLEANING	Vacuum regularly. Professionally dry clean or wipe clean with a dampcloth.
GENERAL	Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.

WATER RESISTANCE-RAIN TEST; AATCC 35:2018

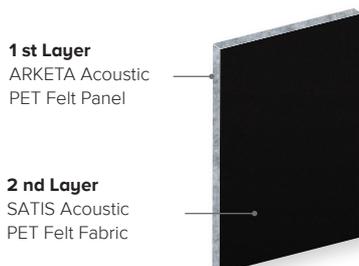
Test samples were conditioned at % 65±5 RH, 21±2°C prior to testing.

Water Temperature: 21±1°C

Spraying Time: 5 minutes

Water Level: 24"

Water penetration (g)	RESULT	REQUIREMENT
	0.00 g	PASS



ICHOS-WR Heathered Water-Resistant Acoustic PET Felt Panels Collection



ICHOS-WR | K-001



ICHOS-WR | K-002



ICHOS-WR | K-003



ICHOS-WR | K-004



ICHOS-WR | K-005



ICHOS-WR | K-006



ICHOS-WR | K-007



ICHOS-WR | K-008



ICHOS-WR | K-009



ICHOS-WR | K-010



ICHOS-WR | K-011



ICHOS-WR | K-012



ICHOS-WR | K-013



ICHOS-WR | K-014



ICHOS-WR | K-015



ICHOS-WR | K-016



ICHOS-WR | K-017



ICHOS-WR | K-018



ICHOS-WR | K-019



ICHOS-WR | K-020



ICHOS-WR | K-021



ICHOS-WR | K-022



ICHOS-WR | K-023



ICHOS-WR | K-024



ICHOS-WR | K-025



ICHOS-WR | K-026



ICHOS-WR | K-027



ICHOS-WR | K-028



ICHOS-WR | K-029



ICHOS-WR | K-030



ICHOS-WR | K-031



ICHOS-WR | K-032



ICHOS-WR | K-033



ICHOS-WR | K-034



ICHOS-WR | K-035



ICHOS-WR | K-036



ICHOS-WR | K-037



ICHOS-WR | K-038

ICHOS-WR Flat Water-Resistant Acoustic PET Felt Panels Collection



ICHOS-WR | D-001



ICHOS-WR | D-002



ICHOS-WR | D-003



ICHOS-WR | D-004



ICHOS-WR | D-005



ICHOS-WR | D-006



ICHOS-WR | D-007



ICHOS-WR | D-008



ICHOS-WR | D-009



ICHOS-WR | D-010



ICHOS-WR | D-011



ICHOS-WR | D-012



ICHOS-WR | D-013



ICHOS-WR | D-014



ICHOS-WR | D-015



ICHOS-WR | D-016



ICHOS-WR | D-017



ICHOS-WR | D-018



ICHOS-WR | D-019



ICHOS-WR | D-020



ICHOS-WR | D-021



ICHOS-WR | D-022



ICHOS-WR | D-023



ICHOS-WR | D-024



ICHOS-WR | D-025



ICHOS-WR | D-026



ICHOS-WR | D-027



ICHOS-WR | D-028



ICHOS-WR | D-029



ICHOS-WR | D-030



ICHOS-WR | D-031



ICHOS-WR | D-032



ICHOS-WR | D-033



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ICHOS-WR | D-035



ICHOS-WR | D-036



ICHOS-WR | D-037



ICHOS-WR | D-038



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