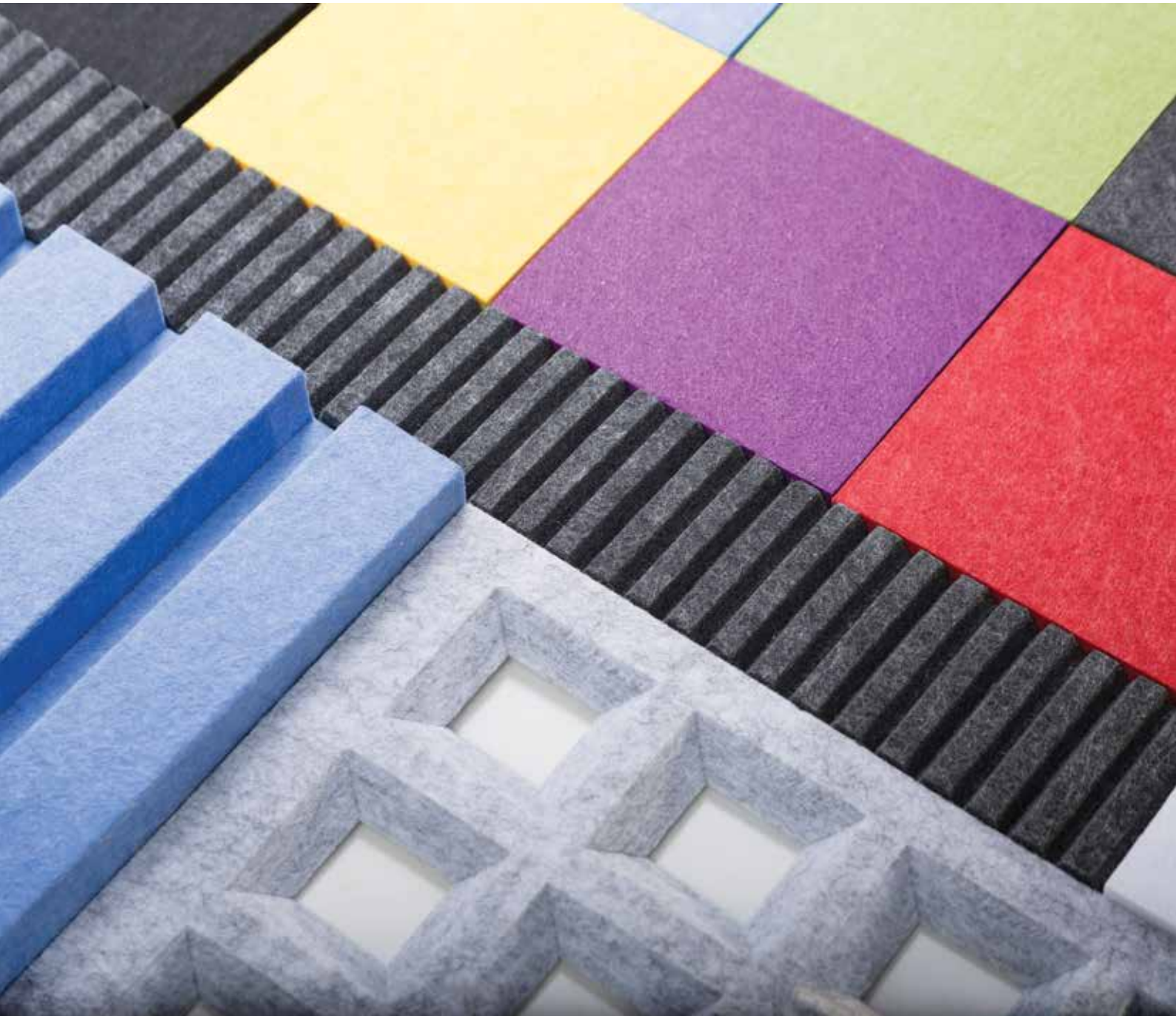




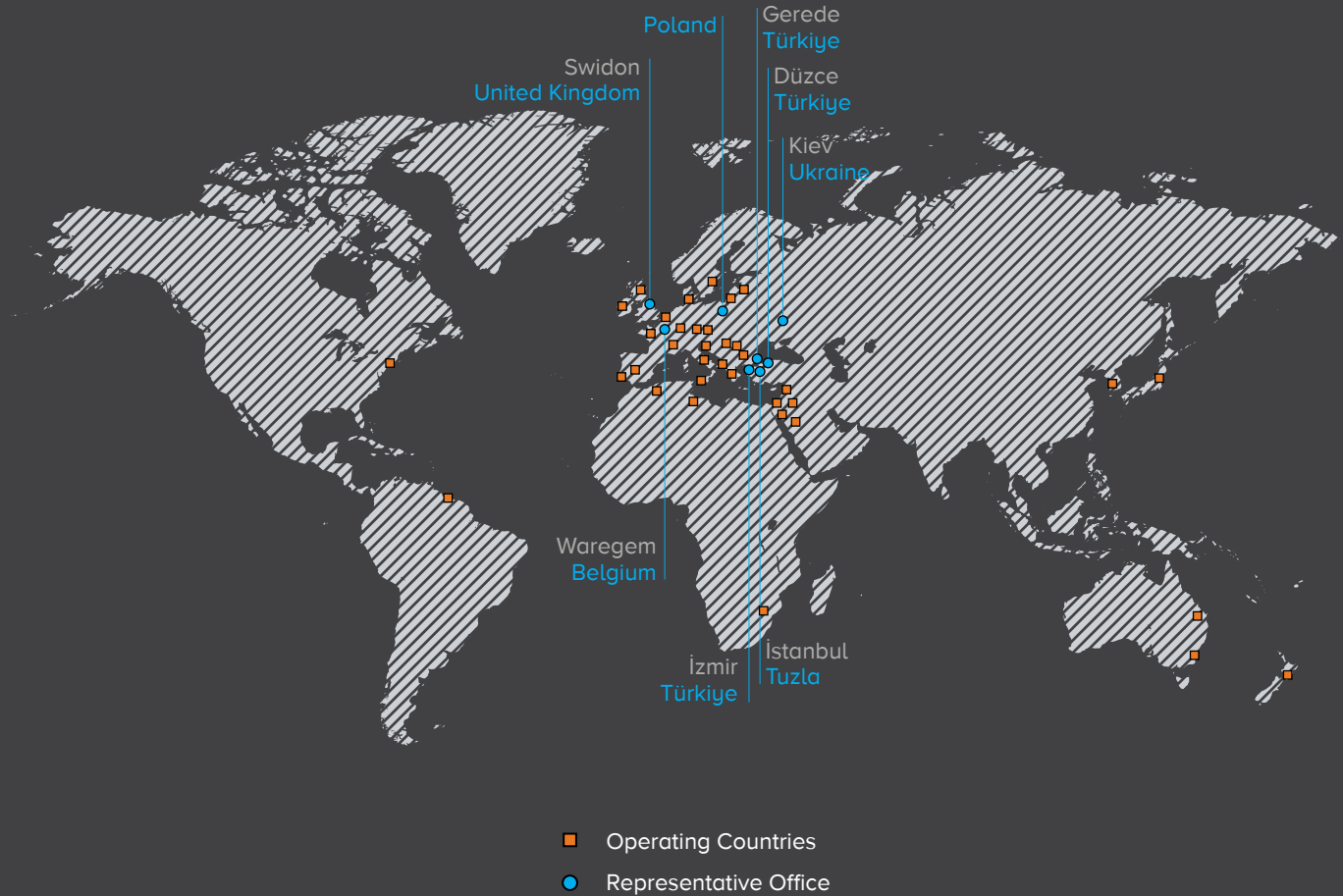
Architectural PET Felt Acoustic Panels

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...



ABOUT US

Local Manufacturing

We are a longstanding supporter of Türkiye design and manufacturing, with over 90% of our textiles and acoustic products made locally.

Our History

In 1917, Gentağ began as a textile-focused venture, but over the years, we've evolved beyond woven fabrics, transforming into leaders in decorative acoustic products. Our journey symbolizes a fusion of textile heritage and cutting-edge acoustic solutions, captured in the form of looms to acoustic landscapes, our evolution reflects deliberate strides in design innovation. We've embraced a future where our commitment to uniqueness thrives in modern, decorative acoustic solutions, reshaping interior aesthetics.

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

Felt Vibe® global design, local production

Our state of the art research and development facility is supported by a team of industrial designers, product engineers and acousticians. With 3 direct production facilities, extensive sales and specification teams, and local support available in multiple countries across 4 continents, we strive to deliver an innovative experience through our products and solutions.

Felt Vibe® produces design driven architectural acoustical solutions. Our raw material offers the highest standard in acoustical performance and is fully customizable offering solutions ranging from ceiling, walls, dividers, and furniture applications. We work with architects, interior designers, fit-out and refurbish companies, and global brands directly. We supply all of our local partners with raw material made from PET plastic and organic fibers. Due to the nature of our material, we can provide a wide array of design options, color choices, and bespoke print capabilities.



Düzce Factory

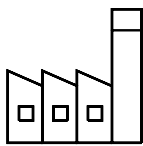


Gerece Factory



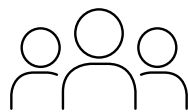
Tuzla Factory

Business Overview



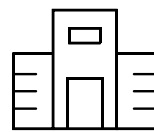
3 Factories

in Gerece, Tuzla, and Düzce



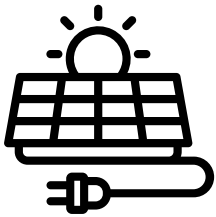
500 Employees

in Total



55.000 m²

Closed Production
Floor Spaces



WE CONTINUE TO PRODUCE WHILE CONTRIBUTING TO A SUSTAINABLE FUTURE.

Generating our own energy is a significant part of our responsibility towards both our environment and future. At Gentuğ Tekstil, we are taking meaningful steps toward a sustainable future by utilizing Rooftop Solar Energy in our facility. With a roof area of 20.000m, a DC power capacity of 1.952.5 kWp, an AC power capacity of 1.430 kWe, and 3.929 solar panels, we achieve an annual reduction of 957.6 tons of CO₂ emissions. This is equivalent to the environmental benefit of 43.527 trees and meets the annual energy consumption of 598 households. As Gentuğ 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

PET ACOUSTIC PANELS: UNLEASH THE POWER OF SUSTAINABLE ACOUSTICS

Imagine removing all plastics from the ocean and landfills and restoring environmental balance. At Felt Vibe®, our business is transformational, literally. Our manufacturing process uses natural and synthetic fiber to create PET acoustic panels that are then cut by design to meet your demand for acoustical performance.

By upcycling in this way, we're giving you another reason to make sustainable decisions in the products that you select.



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.

Sustainability

Our Commitment to The Environment

Felt Vibe® panels are made from 100% PET fiber of which 60% is derived from recycled plastic water bottles.

The production of Felt Vibe® is a remarkably clean process utilizing needle punch and thermo-bonding technology entirely eco friendly resulting in low energy use, no emissions, no off gassing or VOC's, no waste water and does not require the use of any adhesives.

CONVERTING WASTE INTO INNOVATION



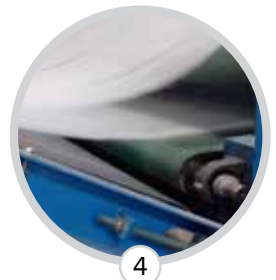
1
Felt Vibe®'s Arketa collections are all made from post consumer recycled plastic drink bottles, diverted from landfill.



2
The discarded drink bottles are cleaned and cut into flakes before being melted and extruded into fibers of natural white color.



3
The regenerated fibers are clean and odorless like virgin fibers.



4
The regenerated fibers are then colored or printed and used to construct brand new products like, panels and baffles.



Acoustic Felt



Insulation Felt



Thermoforming Felt



Automotive Felt





KEY FEATURES



ACOUSTIC



FIRE RATED



INSULATION



RESISTANT



RECYCLED



ECO-FRIENDLY



TACKABLE



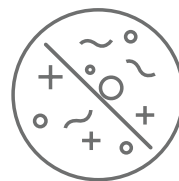
PRINTABLE



LIGHTWEIGHT



VOC FREE



ANTIBACTERIAL

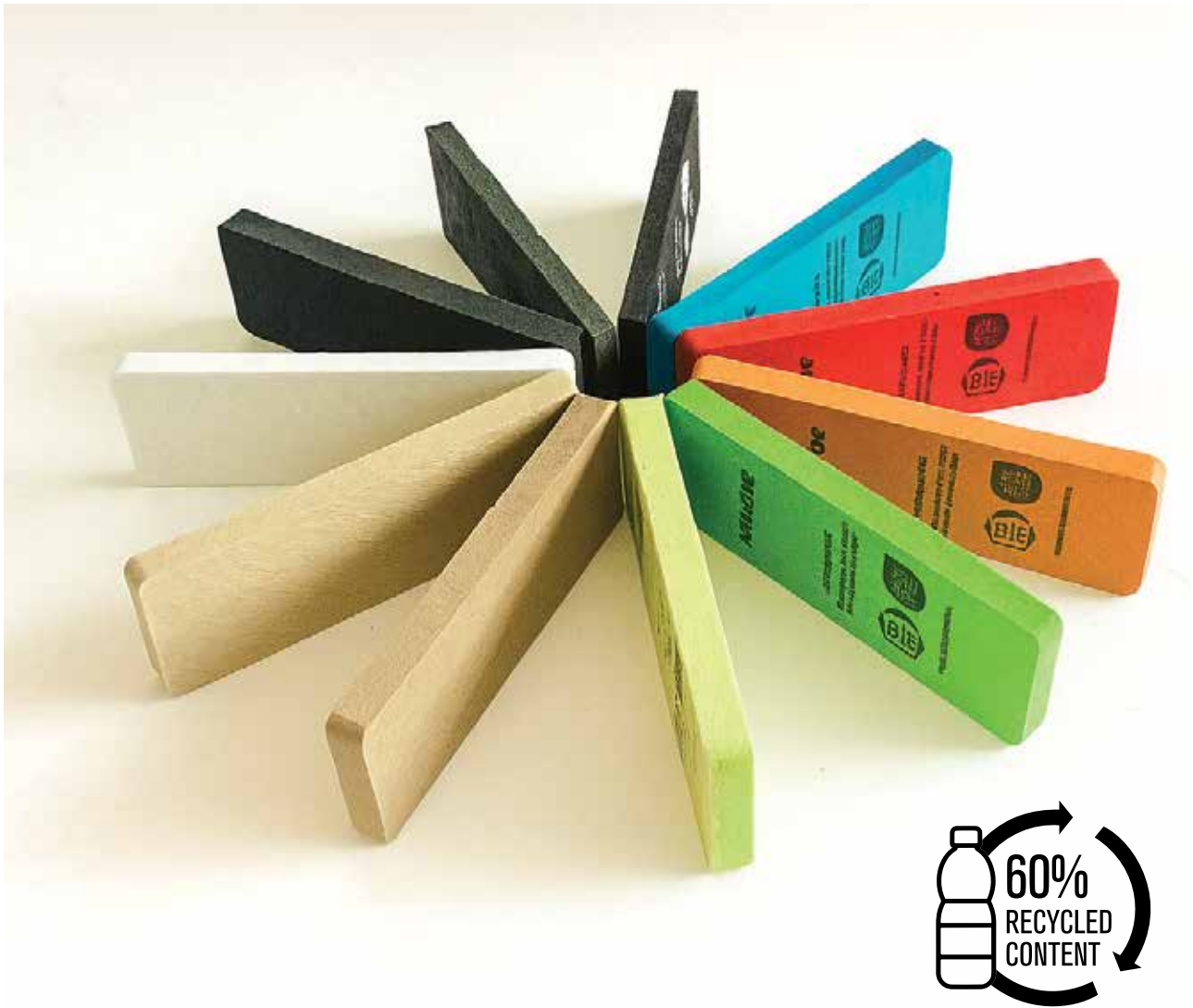


EASY TO CLEAN

Felt Vibe® due to its flexible application options, it offers the design and architecture community limitless possibilities for addressing acoustic challenges.

We are open to collaborations with international design companies, artists, or brands and are always happy to push the boundaries of what is possible.



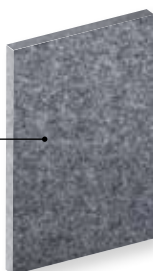


ARKETA (Base Material) Acoustic PET Felt Panel

ARKETA is a high-performance sound absorber with a layered construction allowing for a high degree of variation in thickness, density, and acoustical performance. Available in 13 standard neutral colors.

ARKETA has a natural 'skin' on the surface to allow for easy cleanability. Arketa is made up of 100% PET fiber, of which at least 60% comes from recycled plastic bottles, making it a sustainable acoustic panel that provides amazing value, and acoustical performance.

ARKETA
Acoustic PET Felt Panel
(Base Material)



SPECIFICATIONS

COMPOSITION	60% Recyled Polyester (PET) (100% Pes)	
DIMENSIONS	Width: Production is made between 300mm and 2700mm.	
THICKNESS & WEIGHT	3mm (±0.5mm) 1000 g/m ² (±10%)	5mm (±0.5mm) 700 g/m ² (±10%)
	9mm (±0.5mm) 1500 g/m ² (±10%)	6mm (±0.5mm) 1100 g/m ² (±10%)
	9mm (±0.5mm) 2000 g/m ² (±10%)	9mm (±0.5mm) 1100 g/m ² (±10%)
	12mm (±0.5mm) 2400 g/m ² (±10%)	9mm (±0.5mm) 1300 g/m ² (±10%)
	18mm (±0.5mm) 3500 g/m ² (±10%)	9mm (±0.5mm) 1600 g/m ² (±10%)
	20mm (±0.5mm) 3000 g/m ² (±10%)	12mm (±0.5mm) 1800 g/m ² (±10%)
	24mm (±0.5mm) 3500 g/m ² (±10%)	
ACOUSTIC	NRC: up to 0.20 - 1.00 (subject to mounting conditions)	
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0	
THERMAL RESISTANCE	0.0331 W/m ² K - 0.0446 W/m ² K, ISO 110902:2014	
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 BASIC | PET FELT COLLECTIONS



Arketa R-1 Camel



Arketa R-2 Caramel



Arketa R-3 Tangerine



Arketa R-4 Warm Red



Arketa R-5 Forest Green



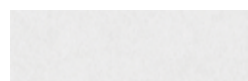
Arketa R-6 Cobalt Blue



Arketa R-7 Charcoal Grey



Arketa R-8 Lawn Green



Arketa White



Arketa Light Grey



Arketa Pure Grey



Arketa Dark Grey



Arketa Black

**Felt is produced in special thicknesses and weights (between 400 g/m² and 4000 g/m²).
Please contact the production department.**



ARKETA Ecoco (Base Material) Acoustic PET Felt Panel

Why ARKETA Ecoco stands apart:

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

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

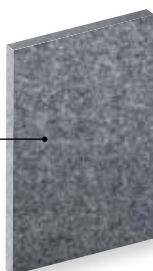
Superior Acoustic Performance: Layered build enables high absorption with flexibility in thickness and density.

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

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

4 Neutral Colors: Wide design compatibility.

ARKETA Ecoco
Acoustic PET Felt Panel
(Base Material)



SPECIFICATIONS

COMPOSITION	%100 Recyled Polyester Low Melt Fibres
DIMENSIONS	Width: Production is made between 300mm and 2700mm.
THICKNESS & WEIGHT	3mm (±0.5mm) 1000 g/m ² (±10%) 9mm (±0.5mm) 1500 g/m ² (±10%) 9mm (±0.5mm) 2000 g/m ² (±10%) 12mm (±0.5mm) 2400 g/m ² (±10%) 18mm (±0.5mm) 3500 g/m ² (±10%) 20mm (±0.5mm) 3000 g/m ² (±10%) 24mm (±0.5mm) 3500 g/m ² (±10%)
ACOUSTIC	NRC: up to 0.20 - 1.00 (subject to mounting conditions)
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
THERMAL RESISTANCE	0.0331 W/m ² K - 0.0446 W/m ² K, ISO 110902:2014
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 COLLECTIONS



Arketa Ecoco Antique White



Arketa Ecoco Light Grey



Arketa Ecoco Grey



Arketa Ecoco Dark Grey

Felt is produced in special thicknesses and weights (between 400 g/m² and 4000 g/m²).
Please contact the production department.



SATIS (Surface Finishes) Acoustic PET Felt Fabric

Our SATIS acoustic felt layers grant you endless versatility, both in terms of looks and performance. Available in a multitude of colors, each felt layer improves the acoustical performance of your acoustic panels. SATIS is available in 35 colors. Minimum order quantities and custom color development fees apply. Details upon request.

SATIS is compatible with ARKETA. It can be added to the surface for multiple color combinations with unlimited product possibilities.

SPECIFICATIONS

COMPOSITION	60% Recyled Polyester (PET) (70% Pes - 20% Polyamid - 10% Viskon)
WEIGHT	200 g/m ² approx
WIDTH	Max. Width: 1500mm (-0 /+3mm)
ENVIRONMENT	Non VOCs emission formaldehyde free and Phenol-free Oekotex Class 1, Phthalate Free
FIRE TESTING	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
LIGHT FASTNESS	4+ (ISO 105 - B02)
CLEANNING	Vacuum regularly. Professionally dry clean or wipe clean with a dampcloth.

SATIS HEATHERED | PET FELT COLLECTIONS



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 FLAT | PET FELT COLLECTIONS



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



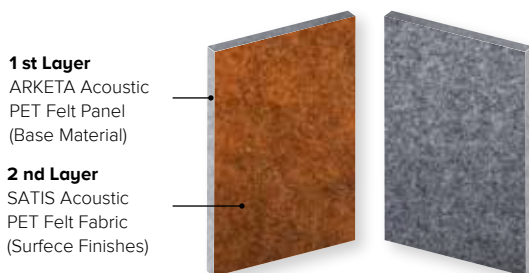
SATIS | D-020

**Felt is produced in special thicknesses and weights (between 400 g/m² and 4000 g/m²).
Please contact the production department.**



ICHOS (Heathered & Flat) Acoustic Laminated PET Felt Panel

**ARKETA Acoustic PET Felt Panel (Base Material) +
SATIS Acoustic PET Felt Fabric (Surface Finishes)= ICHOS**



ICHOS is a new revolution in color and acoustical material pairing the high-performance acoustics of ARKETA with the beauty and soft touch of our Satis acoustic felt layers.

ICHOS create unlimited color and texture combinations for all your projects. All materials are made here in Türkiye using recycled raw materials.

SPECIFICATIONS

COMPOSITION	60% Recycled Polyester (PET) (100% Pes)
DIMENSIONS	Max. Width: 1500mm (+/- 3mm)
THICKNESS & WEIGHT	6mm (±0.5mm) 1300 + 200 g/m ² (±10%) 9mm (±0.5mm) 1600 + 200 g/m ² (±10%) 12mm (±0.5mm) 1800 + 200 g/m ² (±10%) 9mm (±0.5mm) 1600 + 200 g/m ² + 200 g/m ² (±10%) Double 12mm (±0.5mm) 1800 + 200 g/m ² + 200 g/m ² (±10%) Double 9mm (±0.5mm) 2000 + 200 g/m ² (±10%) 12mm (±0.5mm) 2400 + 200 g/m ² (±10%) 18mm (±0.5mm) 3500 + 200 g/m ² (±10%) 20mm (±0.5mm) 3000 + 200 g/m ² (±10%) 24mm (±0.5mm) 3500 + 200 g/m ² (±10%)
ACOUSTIC	NRC: up to 0.20 - 1.00 (subject to mounting conditions)
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette), EN 13501-1 (SBI) Adhered Class B-s1,d0
THERMAL RESISTANCE	0.0331 W/m ² K - 0.0446 W/m ² K, ISO 110902:2014
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 COLLECTIONS

				
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 FLAT | PET FELT COLLECTIONS

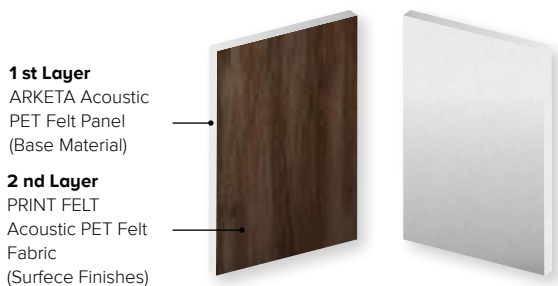
				
ICHOS D-001	ICHOS D-002	ICHOS D-003	ICHOS D-004	ICHOS D-005
				
ICHOS D-006	ICHOS D-007	ICHOS D-008	ICHOS D-009	ICHOS D-010
				
ICHOS D-011	ICHOS D-012	ICHOS D-013	ICHOS D-014	ICHOS D-015
				
ICHOS D-016	ICHOS D-017	ICHOS D-018	ICHOS D-019	ICHOS D-020



PRINT FELT

Acoustic Laminated PET Felt Panel

**ARKETA Acoustic PET Felt Panel (Base Material) +
PRINT FELT Acoustic PET Felt Fabric (Surface Finishes)**



Experience personalized acoustic panels with Print Felt, offering a range of colors and collections for ARKETA Panel materials. Choose from rustic concrete, traditional brick, stone, or woodgrain finishes. Print Felt allows for creative, stylish transformations with adjustable material thickness for enhanced acoustic performance. Elevate your space with Print Felt's unique, customizable options.

SPECIFICATIONS

COMPOSITION	60% Recyled Polyester (PET) (100% Pes)
DIMENSIONS	Max. Width: 1500mm (+/- 3mm)
THICKNESS & WEIGHT	6mm (± 0.5 mm) 1300 + 200 g/m ² ($\pm 10\%$) 9mm (± 0.5 mm) 1600 + 200 g/m ² ($\pm 10\%$) 12mm (± 0.5 mm) 1800 + 200 g/m ² ($\pm 10\%$) 9mm (± 0.5 mm) 1600 + 200 g/m ² + 200 g/m ² ($\pm 10\%$) Double 12mm (± 0.5 mm) 1800 + 200 g/m ² + 200 g/m ² ($\pm 10\%$) Double 9mm (± 0.5 mm) 2000 + 200 g/m ² ($\pm 10\%$) 12mm (± 0.5 mm) 2400 + 200 g/m ² ($\pm 10\%$) 18mm (± 0.5 mm) 3500 + 200 g/m ² ($\pm 10\%$) 20mm (± 0.5 mm) 3000 + 200 g/m ² ($\pm 10\%$) 24mm (± 0.5 mm) 3500 + 200 g/m ² ($\pm 10\%$)
ACOUSTIC	NRC: up to 0.20 - 1.00 (subject to mounting conditions)
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette), EN 13501-1 (SBI) Adhered Class B-s1,d0
THERMAL RESISTANCE	0.0331 W/m ² K - 0.0446 W/m ² K, ISO 110902:2014
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.

PRINT FELT | PET FELT COLLECTIONS (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



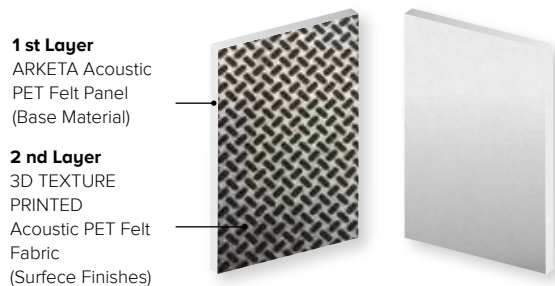
FP-16

Felt is produced in special thicknesses and weights (between 400 g/m² and 4000 g/m²).
Please contact the production department.



3D TEXTURE PRINTED Acoustic Laminated PET Felt Panel

**ARKETA Acoustic PET Felt Panel (Base Material) +
3D TEXTURE PRINTED Acoustic PET Felt Fabric (Surface Finishes)**



Experience personalized acoustic panels with 3D Texture Printed PET Felt Panel, offering a range of colors and collections for ARKETA Panel materials. 3D Texture Printed PET Felt Panel, allows for creative, stylish transformations with adjustable material thickness for enhanced acoustic performance.

SPECIFICATIONS

COMPOSITION	60% Recycled Polyester (PET) (100% Pes)
DIMENSIONS	Max. Width: 1500mm (+/- 3mm)
THICKNESS & WEIGHT	6mm (± 0.5 mm) 1300 + 200 g/m ² ($\pm 10\%$) 9mm (± 0.5 mm) 1600 + 200 g/m ² ($\pm 10\%$) 12mm (± 0.5 mm) 1800 + 200 g/m ² ($\pm 10\%$) 9mm (± 0.5 mm) 1600 + 200 g/m ² + 200 g/m ² ($\pm 10\%$) Double 12mm (± 0.5 mm) 1800 + 200 g/m ² + 200 g/m ² ($\pm 10\%$) Double 9mm (± 0.5 mm) 2000 + 200 g/m ² ($\pm 10\%$) 12mm (± 0.5 mm) 2400 + 200 g/m ² ($\pm 10\%$) 18mm (± 0.5 mm) 3500 + 200 g/m ² ($\pm 10\%$) 20mm (± 0.5 mm) 3000 + 200 g/m ² ($\pm 10\%$) 24mm (± 0.5 mm) 3500 + 200 g/m ² ($\pm 10\%$)
ACOUSTIC	NRC: up to 0.20 - 1.00 (subject to mounting conditions)
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette), EN 13501-1 (SBI) Adhered Class B-s1,d0
THERMAL RESISTANCE	0.0331 W/m ² K - 0.0446 W/m ² K, ISO 110902:2014
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.

3D TEXTURE PRINTED | PET FELT COLLECTIONS



EMP-01



EMP-02



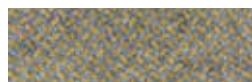
EMP-03



EMP-04



EMP-05



EMP-06



EMP-07



EMP-08



EMP-09



EMP-10



EMP-11



EMP-12



EMP-13



EMP-14

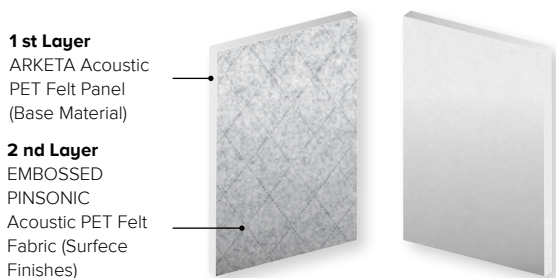
Felt is produced in special thicknesses and weights (between 400 g/m² and 4000 g/m²).
Please contact the production department.



EMBOSSSED PINSONIC

Acoustic Laminated PET Felt Panel

**ARKETA Acoustic PET Felt Panel (Base Material) +
EMBOSSSED PINSONIC Acoustic PET Felt Fabric (Surface Finishes)**



Experience personalized acoustic panels with embossed Embossed Pinsonic Acoustic PET Felt Panel, offering a range of colors and collections for ARKETA Panel materials. Pinsonic Diamond, Pinsonic Wave, Pinsonic Big Wave Felt Fabric Printing Panel allows for creative, stylish transformations with adjustable material thickness for enhanced acoustic performance.

SPECIFICATIONS

COMPOSITION	60% Recyled Polyester (PET) (100% Pes)
DIMENSIONS	Max. Width: 1500mm (+/- 3mm)
THICKNESS & WEIGHT	6mm (± 0.5 mm) 1300 + 200 g/m ² ($\pm 10\%$) 9mm (± 0.5 mm) 1600 + 200 g/m ² ($\pm 10\%$) 12mm (± 0.5 mm) 1800 + 200 g/m ² ($\pm 10\%$) 9mm (± 0.5 mm) 1600 + 200 g/m ² + 200 g/m ² ($\pm 10\%$) Double 12mm (± 0.5 mm) 1800 + 200 g/m ² + 200 g/m ² ($\pm 10\%$) Double 9mm (± 0.5 mm) 2000 + 200 g/m ² ($\pm 10\%$) 12mm (± 0.5 mm) 2400 + 200 g/m ² ($\pm 10\%$) 18mm (± 0.5 mm) 3500 + 200 g/m ² ($\pm 10\%$) 20mm (± 0.5 mm) 3000 + 200 g/m ² ($\pm 10\%$) 24mm (± 0.5 mm) 3500 + 200 g/m ² ($\pm 10\%$)
ACOUSTIC	NRC: up to 0.20 - 1.00 (subject to mounting conditions)
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette), EN 13501-1 (SBI) Adhered Class B-s1,d0
THERMAL RESISTANCE	0.0331 W/m ² K - 0.0446 W/m ² K, ISO 110902:2014
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.

EMBOSSED PINSONIC | PET FELT COLLECTIONS



PP-01



PP-02



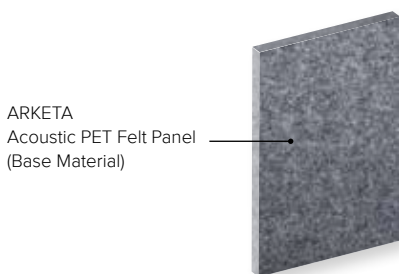
PP-03

Felt is produced in special thicknesses and weights (between 400 g/m² and 4000 g/m²).
Please contact the production department.



ARKETA-FR (Base Material)

Class A Fire Rated Acoustic PET Felt Panel



ARKETA
Acoustic PET Felt Panel
(Base Material)

Arketa is a high-performance sound absorber with a layered construction allowing for a high degree of variation in thickness, density, and acoustical performance.

For industrial settings Arketa can be ordered 'naked' (without an Sales surface) and mounted directly on walls and ceilings without any spacing. Arketa has a natural 'skin' on the surface to allow for easy cleanability. Arketa is made up of 100% PET fiber, of which at least 60% comes from recycled plastic bottles, making it a sustainable acoustic panel that provides amazing value, and acoustic performance.

SPECIFICATIONS

COMPOSITION	60% Recyled Polyester (PET) (100% Pes)
DIMENSIONS	Width: Production is made between 300mm and 2700mm.
THICKNESS & WEIGHT	12mm (± 0.5 mm) 2400 g/m ² ($\pm 10\%$)
ACOUSTIC	NRC: 0.45 (no air gab)
FIRE TEST STANDARDS	ASTM E 84 Class A
THERMAL RESISTANCE	0.0331 W/m ² K - 0.0446 W/m ² K, ISO 110902:2014
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.

ASTM E84 Fire Test Standard

The ASTM E84 standard is a fire test method used to evaluate the flame spread and smoke development characteristics of building materials. The results of this test are typically expressed in two key values:

FSI (Flame Spread Index):

The Flame Spread Index (FSI) measures the speed at which flames spread across a material during a fire. In ASTM E84 testing, a lower FSI value indicates better resistance to flame spread. Materials with an FSI value between 0 and 25 are generally considered fire-resistant or exhibit low flame spread. For example, a material with an FSI of 5 would have very low flame spread.

SDI (Smoke Developed Index):

The Smoke Developed Index (SDI) refers to the amount of smoke produced during a fire. Values close to 0 indicate that the material produces very little smoke when burning. A material with an SDI of 0 produces the least smoke.

Based on these values, a material with an FSI of 5 and an SDI of 0, such as acoustic felt, would be classified as highly fire-resistant and producing minimal smoke during combustion.

Conclusion:

The product whose test results are given above meets Class A criteria according to ASTM E84 Standard.

The test results relate to the behaviour of the test specimen of a product under the conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product of use. The results of tests are concerned only with the subject of testing.

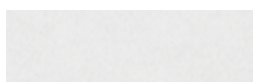
The protocol shall not be reproduced except in full without the written approval of the testing laboratory.

Brand, type, quality and dimension information of the components, when it is not possible to be verified by the laboratory, are given according to the sponsor's declaration and the responsibility belongs to the sponsor. The test specimens are tested as received from the sponsor (when the laboratory does not carry out sampling).

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 | PET FELT COLLECTIONS



Arketa-FR White



Arketa-FR Light Grey



Arketa-FR Pure Grey



Arketa-FR Dark Grey



Arketa-FR Black

ICHOS-WR

Water-Resistant Acoustic PET Felt Panel



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 coladas, 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

**ARKETA Acoustic PET Felt Panel (Base Material) +
SATIS Acoustic PET Felt Fabric (Surface Finishes)= ICHOS-WR**

SPECIFICATIONS

COMPOSITION	60% Recyled Polyester (PET) (100% Pes)
DIMENSIONS	Max. Width: 1500mm (-0 /+3mm)
THICKNESS & WEIGHT	12mm (±0.5mm) 2400 g/m ² + 200 g/m ² (±10%)
ACOUSTIC	NRC: 0.45 (no air gab)
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette), EN 13501-1 (SBI) Adhered Class B-s1,d0
THERMAL RESISTANCE	0.0331 W/m ² K - 0.0446 W/m ² K, ISO 110902:2014
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.

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

1 st Layer

ARKETA Acoustic
PET Felt Panel
(Base Material)

2 nd Layer

SATIS Acoustic
PET Felt Fabric
(Surface Finishes)



ICHOS-WR | PET FELT COLLECTIONS



ICHOS-WR Black



ARKETA-WP

Waterproof Acoustic PET Felt Panel (Polyurethane Membran Lamination)

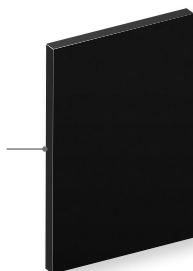
Is Felt Waterproof

PET (polyester) felt is hydrophobic by nature, so it resists absorbing water better than natural fiber felts (like wool).

- It is not completely waterproof
- It may absorb water through needle-punched holes or edges
- It dries relatively quickly compared to na

ARKETA-WP Waterproof PET Felt Acoustic Panel, polyurethane membrane lamination. This feature makes it waterproof.

ARKETA-WP
Waterproof
Acoustic PET
Felt Panel
(Base Material)



SPECIFICATIONS	
COMPOSITION	60% Recyled Polyester (PET) (100% Pes)
DIMENSIONS	Width: Production is made between 300mm and 2700mm.
THICKNESS & WEIGHT	5mm (±0,5mm) 700 g/m ² + 200 g/m ² (±10%)
	6mm (±0,5mm) 1100 g/m ² + 200 g/m ² (±10%)
	9mm (±0,5mm) 1100 g/m ² + 200 g/m ² (±10%)
	12mm (±0,5mm) 1800 g/m ² + 200 g/m ² (±10%)
ACOUSTIC	NRC: up to 0.45 (subject to mounting conditions)
THERMAL RESISTANCE	0.0331 W/m ² K - 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	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-WP | PET FELT COLLECTIONS

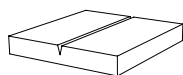


ICHOS-WP Black

PET FELT PROCESSING TECHNIQUES

V-cut

V-grooves are cut 4.5mm deep as standard



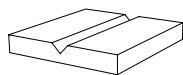
V-cut 15 degrees



V-cut 22.5 degrees



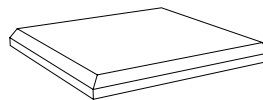
V-cut 30 degrees



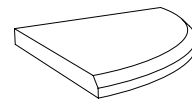
V-cut 45 degrees

Bevel-cut cutting

This is cut at 45 degrees to half the plate thickness



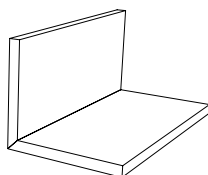
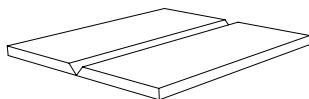
Straight bevel finish gives straight corners



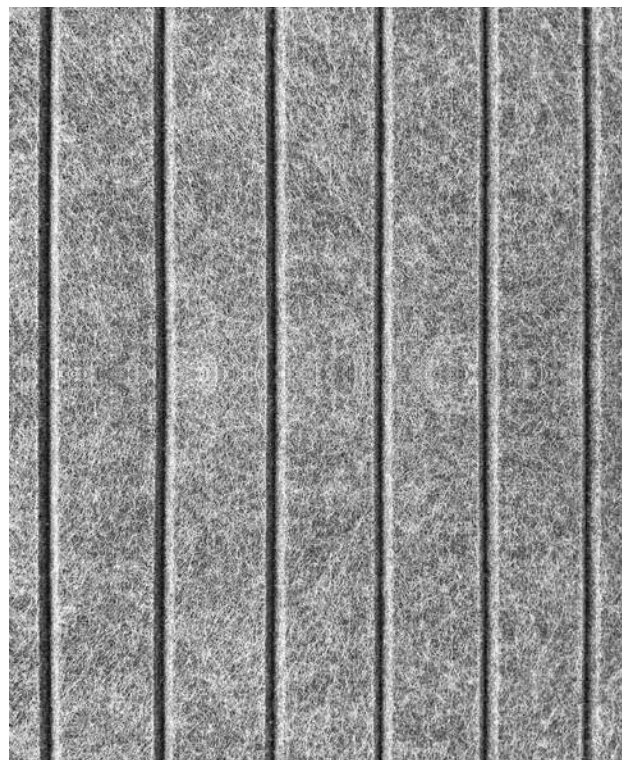
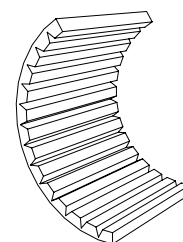
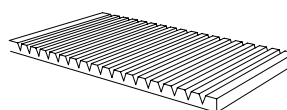
Round facet finish only for radii greater than 100mm

Folding 90 degrees

45 degree V-cut is used as standard.



Bending



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.



WE PRINT ON PET FELT

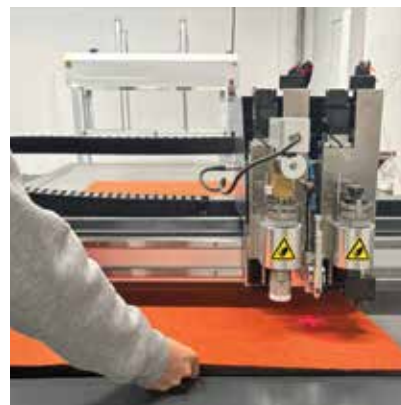
Large-format acoustic images, panels designed to look like wood, concrete or other structures, logos on products – all this is possible with us, thanks to our own large-format UV printing and sublimation transfer printing facility.

Our prints on PET felt deliver excellent quality and acoustic properties.



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

Computer-controlled cutting enables us to cut highly detailed shapes and patterns. No materials are wasted, and the various components can be combined easily.

This technique also provides the ability to cut at different angles as required for V-grooved or chamfered edges. The variety of opportunities offered by this technique offers endless possibilities in terms of design and shape.



EMBOSED PINSONIC PRINTING

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



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