

ACOUSTIC
FELT



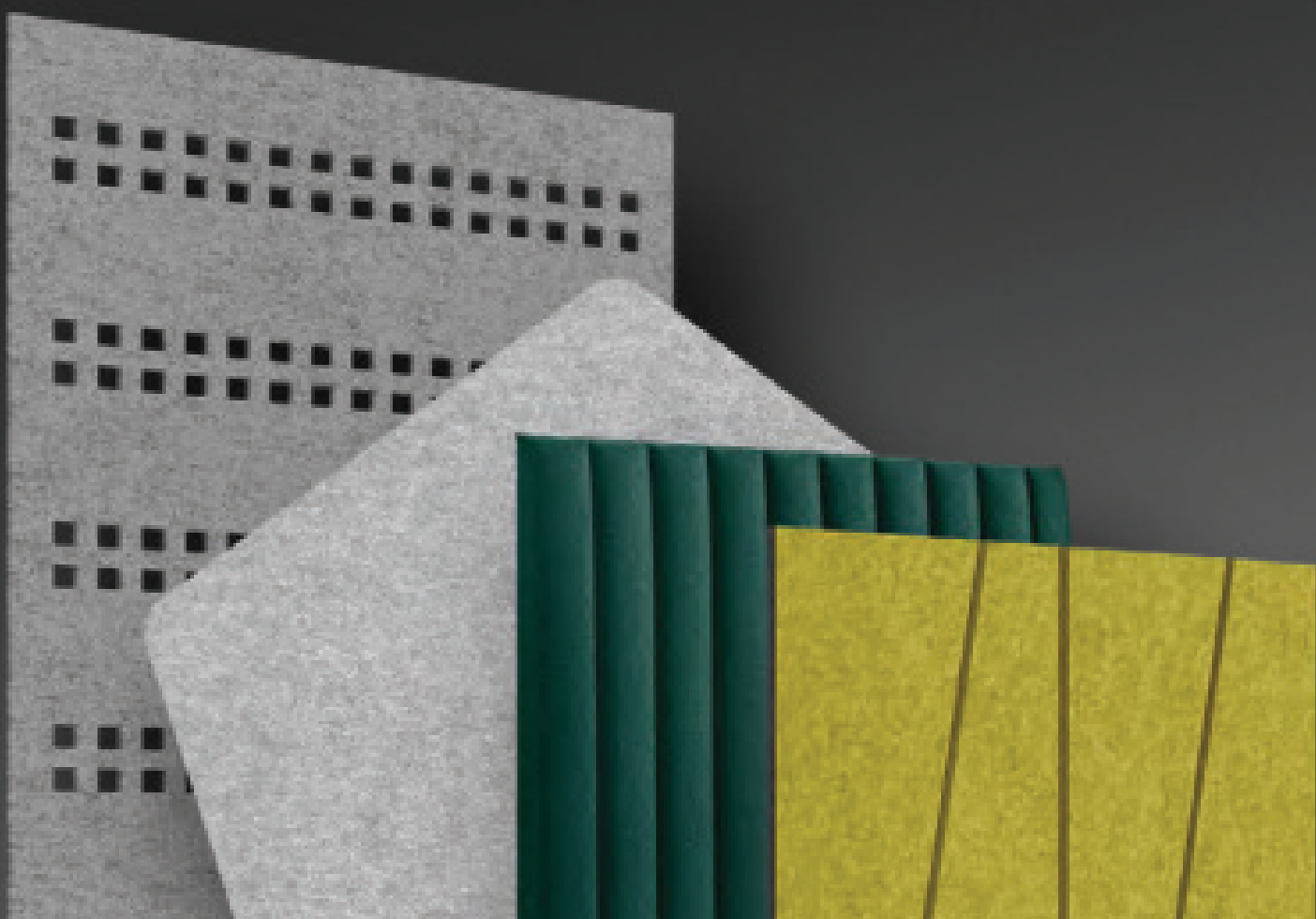
FeltVibe®



GENTUĞ

Architectural PET Felt Acoustic Panels

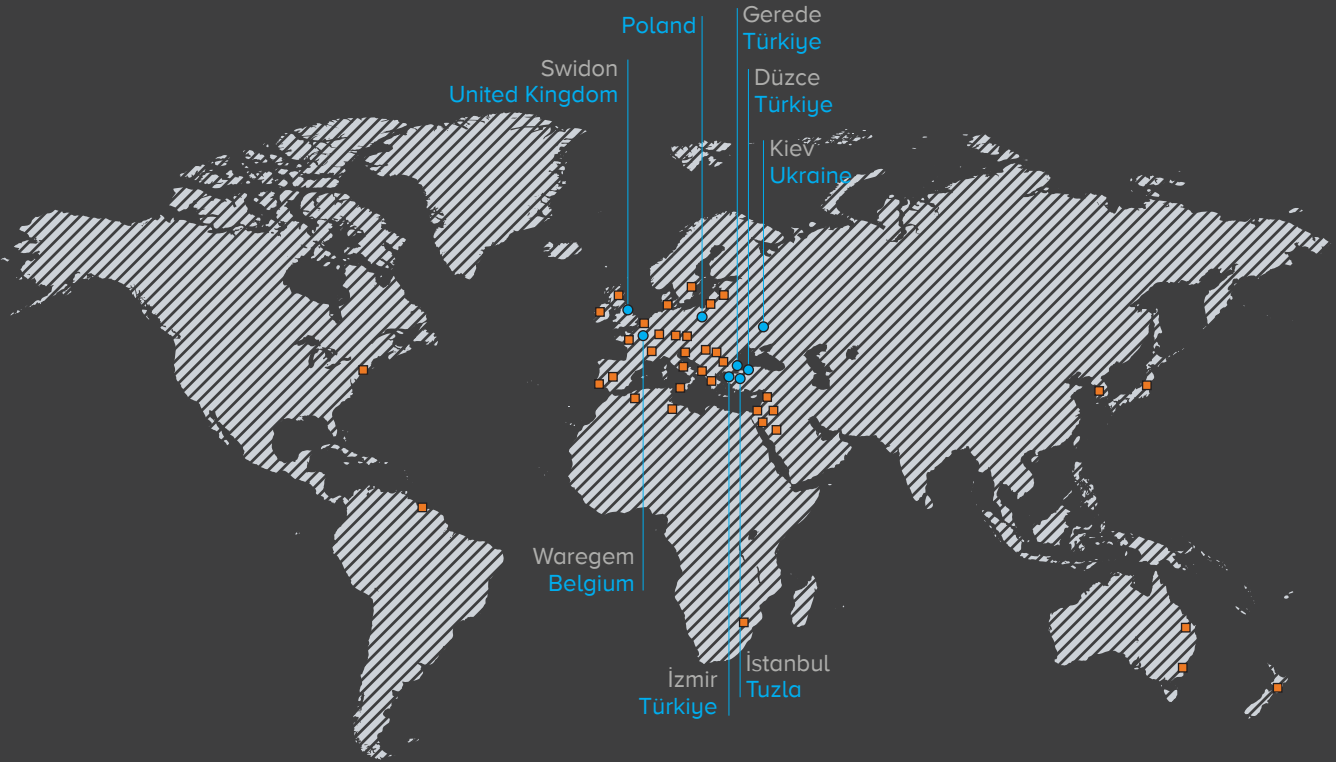
Product Guide



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

Our History

In 1917, Gentuğ 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 From 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

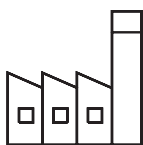


Gerede Factory



Tuzla Factory

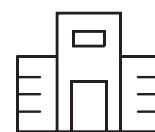
Business Overview



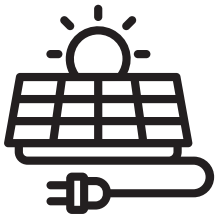
3 Factories
in Gerede and Düzce



300 Employees
in Total



40.000 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 Gentuž 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 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

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 (9mm | ± 166 PET Bottles 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.



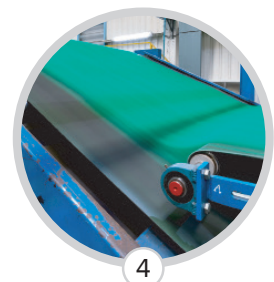
2

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



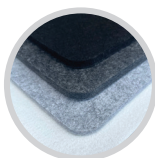
3

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 FUTURES



ACOUSTIC



FIRE RATED



LIGHT



INSULATION



RECYCLED



RESISTANT



ECO-FRIENDLY



DECORATIVE



PRINTABLE



VOC - FREE



TACKABLE



ANTIBACTERIAL



EASY TO CLEAN



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.

CLEANABILITY



Visible dust or dirt embedded in the material can be loosened with a bristle brush and then removed with a vacuum.



Stains can be removed with lint-free cloth with a mild detergent or soap and water solution.

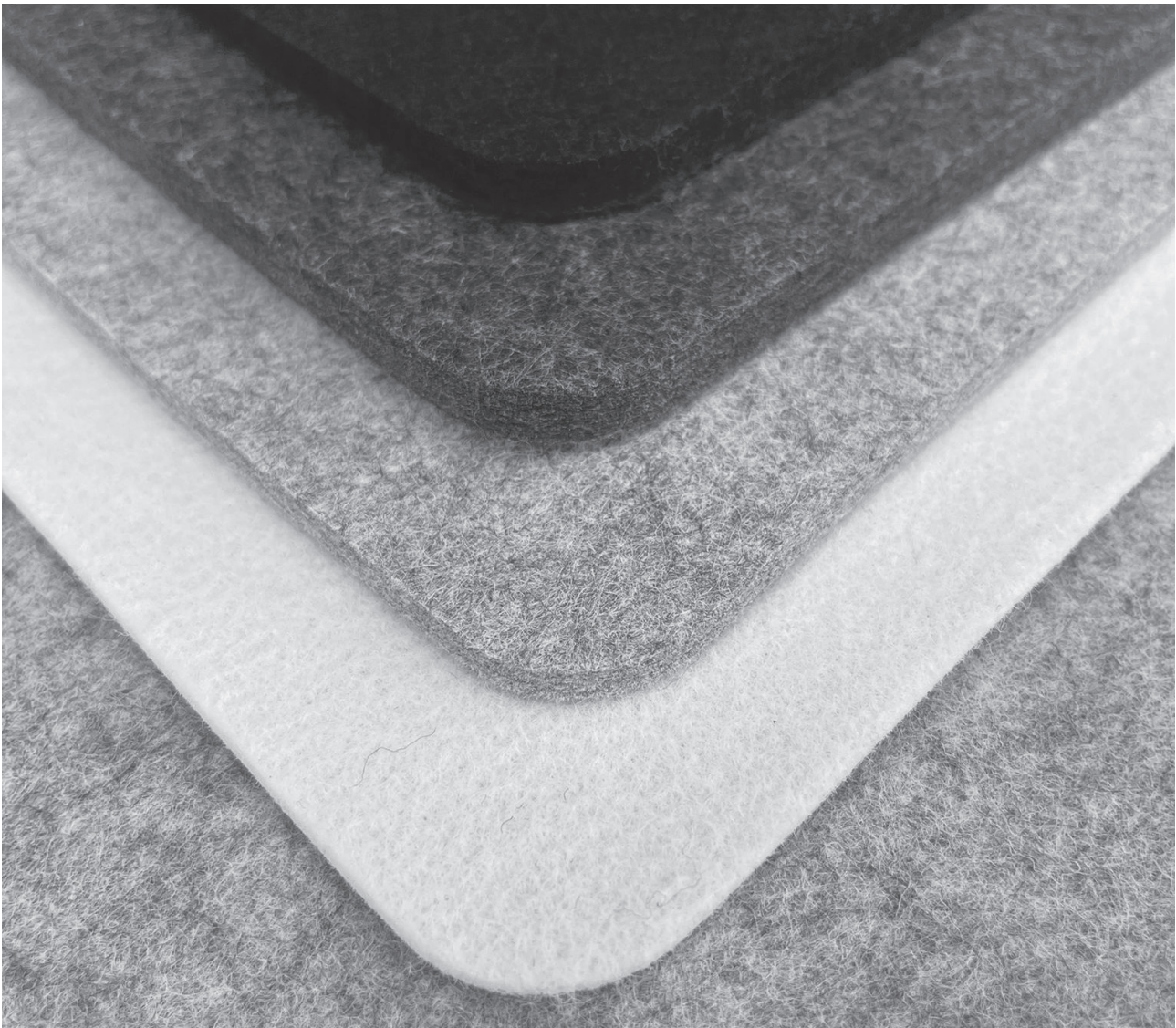


A mild detergent or soap and water with a hand spray application can be used to help remove spills.



For disinfection, common household EPA-registered disinfectants should be effective. The disinfectant can be generously applied to the surface of the PET felt with a hand spray applicator.





PET Felt Acoustic Panels

ARKETA Collections (Base Material)

ARKETA
 Acoustic Felt Panel
 (Base Material)



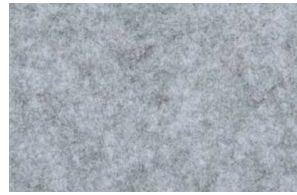
ARKETA is a high-performance sound absorber with a layered construction allowing for a high degree of variation in thickness, density, and acoustical performance. Available in 4 standard neutral colors, ARKETA can be combined with any ARKETA acoustic felt layers (on one or two sides) to make up a high performance SATIS acoustical sheet.

For industrial settings (such as ecommerce distribution warehouses) ARKETA can be ordered 'naked' (without an SATIS surface) and mounted directly on walls and ceilings without any spacing and achieves absorption levels of up to .45 NRC (subject to thickness/density ordered). 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 WHITE



ARKETA LIGHT GREY

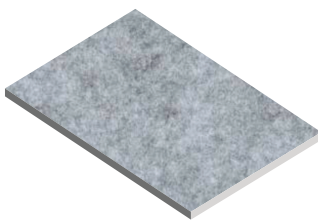


ARKETA DARK GREY

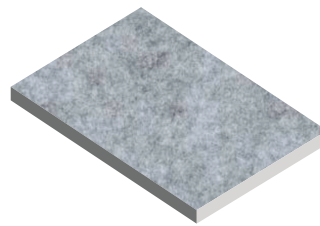


ARKETA BLACK

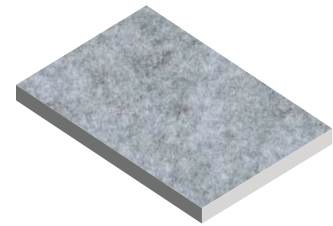
THICKNESS OPTIONS



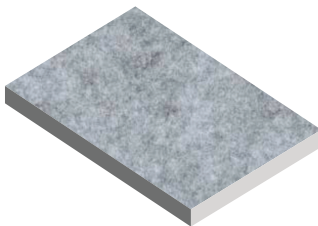
3mm
550 gr/m²



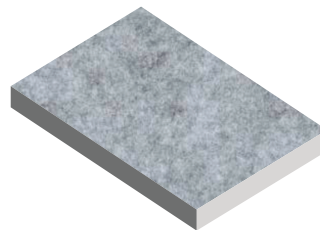
6mm
1100 gr/m²
1300 gr/m²



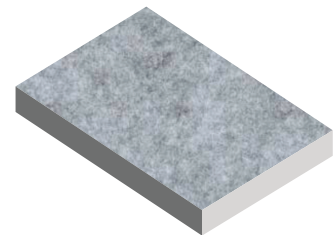
7mm
1100 gr/m²
1300 gr/m²



8mm
1000 gr/m²
1100 gr/m²
1300 gr/m²



9mm
1100 gr/m²
1300 gr/m²

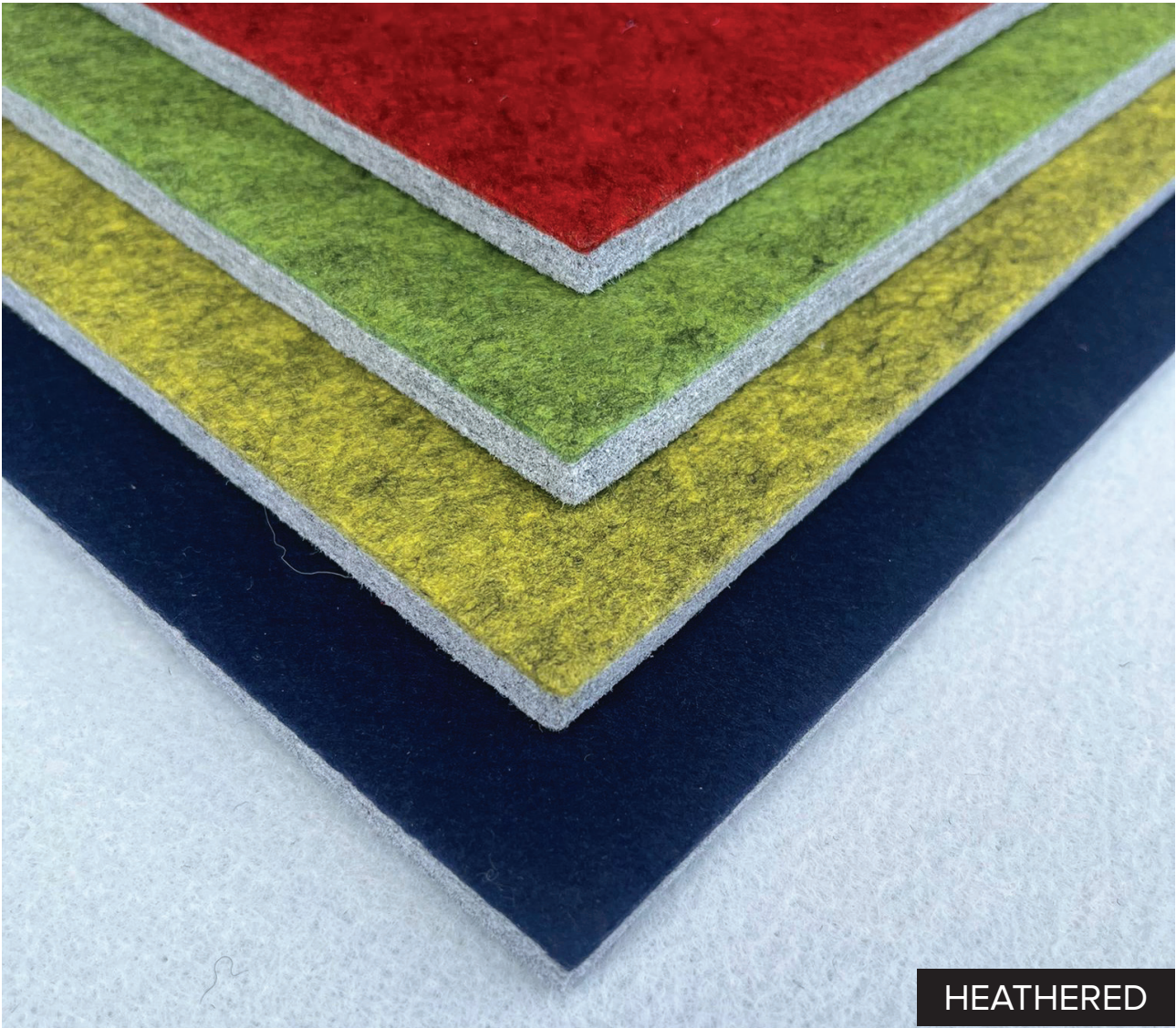


11mm
1800 gr/m²

SPECIFICATIONS

COMPOSITION	100% polyester (PET) fiber
DIMENSIONS	Width 2400mm +/- Length 3000mm +/-
THICKNESS / WEIGHT	~3mm (±0.5mm) / 550 gr/m ² (±10%) ~8mm (±0.5mm) / 1000 gr/m ² (±10%) ~6-7-8-9mm (±0.5mm) / 1100 gr/m ² (±10%) ~6-7-8-9mm (±0.5mm) / 1300 gr/m ² (±10%) ~11mm (±0.5mm) / 1800 gr/m ² (±10%)

ACOUSTIC	NRC: up to 0.42 Class E (subject to mounting conditions)
THERMAL RESISTANCE	0.0446 W/m ² K, ISO 110902:2014
ENVIRONMENT	Min. %60 +/- recycled PET 100% recyclable Formaldehyde free Non VOCs emission formaldehyde and Phenol-free Oekotex Standart 100, Phthalate Free
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
GENERAL	Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.



Acoustic Laminated Felt Panels ICHOS Collections

SATIS Acoustically Transparent Recycled Nonwoven Fabric Surface Finishes



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.



HEATHERED FELT



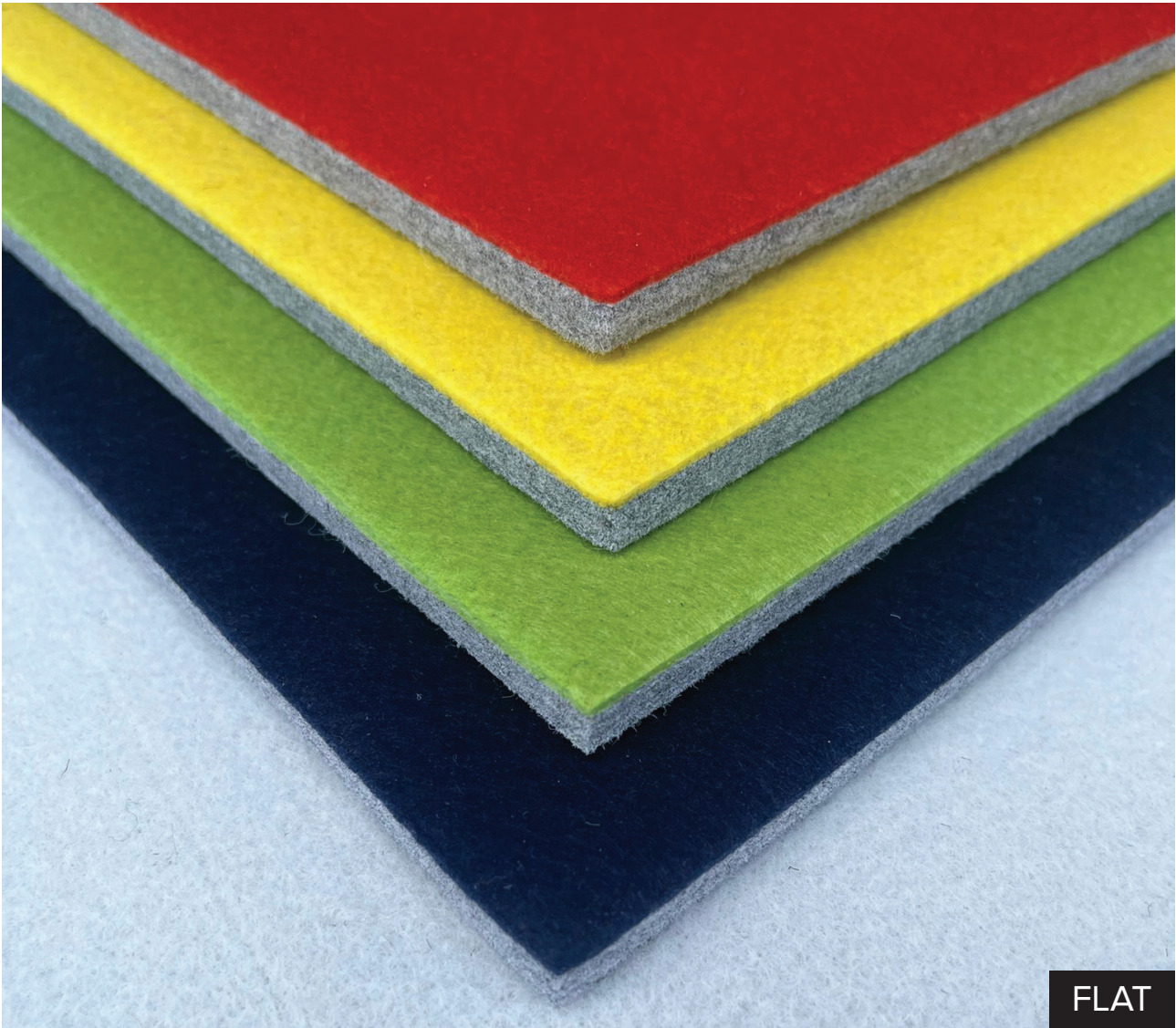
ARKETA Acoustic Felt Panel (Base Material) + **SATIS** Acoustically Transparent Recycled Nonwoven Fabric (Surface Finishes) = **ICHOS**

SPECIFICATIONS

COMPOSITION	100% polyester (PET) fiber
DIMENSIONS	2000mm +/- x 3000mm +/-
THICKNESS / WEIGHT	~3mm (±0.5mm) / 750 gr/m ² (±10%) ~6mm (±0.5mm) / 1300 gr/m ² (±10%) ~8mm (±0.5mm) / 1500 gr/m ² (±10%) ~11mm (±0.5mm) / 1800 gr/m ² (±10%)
ACOUSTIC	NRC: up to 0.64 Class D (subject to mounting conditions)
ENVIRONMENT	Min. %60 +/- recycled PET 100% recyclable Non VOCs emission formaldehyde and Phenol-free Oekotex Standart 100, Phthalate Free
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
GENERAL	Tackable, impact resistant, bacteria resistant, moisture resistant, installation friendly.

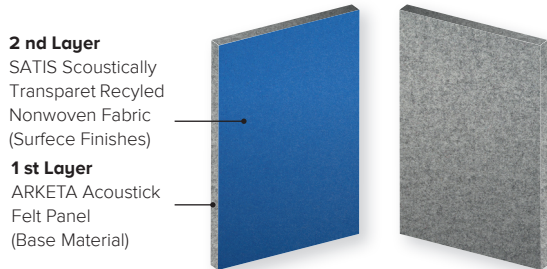
SATIS (Surface Finishes)

COMPOSITION	100% original fiber RAK: 70% Polyester, 20% Polyamid, 10% Viskon RPK: 100% Polyester
WEIGHT	200 gr/m ² approx
WIDTH	1500 - 2400mm
ENVIRONMENT	Formaldehyde free Non VOCs emission formaldehyde and Phenol-free Oekotex Standart 100, Phthalate Free
FIRE TESTING	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
COLOR FASTNESS TO LIGHT	4+ (ISO 105 - Bo2)



Acoustic Laminated Felt Panels ICHOS Collections

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FLAT FELT



ARKETA Acoustic Felt Panel (Base Material) + **SATIS** Acoustically Transparent Recycled Nonwoven Fabric (Surface Finishes) = **ICHOS**

SPECIFICATIONS

COMPOSITION	100% polyester (PET) fiber
DIMENSIONS	2000mm +/- x 3000mm +/-
THICKNESS / WEIGHT	~3mm (±0.5mm) / 750 gr/m ² (±10%) ~6mm (±0.5mm) / 1300 gr/m ² (±10%) ~8mm (±0.5mm) / 1500 gr/m ² (±10%) ~11mm (±0.5mm) / 1800 gr/m ² (±10%)
ACOUSTIC	NRC: up to 0.64 Class D (subject to mounting conditions)
ENVIRONMENT	Min. %60 +/- recycled PET 100% recyclable Non VOCs emission formaldehyde and Phenol-free Oekotex Standart 100, Phthalate Free
FIRE TEST STANDARDS	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
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FIRE TESTING	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
COLOR FASTNESS TO LIGHT	4+ (ISO 105 - Bo2)



SATIS

Acoustically Transparent Recycled Nonwoven 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 30 colors and 1.75mm standard thickness. 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.



HEATHERED FELT



FLAT FELT



SPECIFICATION

COMPOSITION	100% original fiber RAK: 70% Polyester, 20% Polyamid, 10% Viskon RPK: 100% Polyester
WEIGHT	200 gr/m ² approx
WIDTH	1500 - 2400mm
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FIRE TESTING	EN 1021 - 1 (cigarette) EN 13501-1 (SBI) Adhered Class B-s1,d0
COLOR FASTNESS TO LIGHT	4+ (ISO 105 - Bo2)

ACOUSTIC
FELT
FeltVibe[®]




GENTUĞ

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