

2tec2[®]
high tech flooring

Strata AIKose

Refined woven flooring

LEED[®] Building Certification
A green building certification program (V4.1)





Choosing the right floor responsibly.

LEED® BUILDING CERTIFICATION

Since 1993, 'Leadership in Energy and Environmental Design' (LEED) has promoted sustainability in the construction industry by evaluating buildings based on their environmental friendliness and energy performance. This certification program rewards efforts and decisions that contribute to a healthier and more efficient environment. By meeting LEED criteria, projects can reduce their environmental impact and help build a more sustainable future. As a building product, 2TEC2 can play a key role in achieving LEED certification and enhancing the overall sustainability of a building.



Material Resources

Interiors Life-Cycle Impact Reduction
Environmental Product Declarations
Sourcing of raw materials
Material ingredients
Construction & Demolition Waste
Management

Indoor Environmental Quality

Low-emitting materials
Indoor Air Quality Assessment
Acoustic performance

2TEC2's Sustainable Solutions::

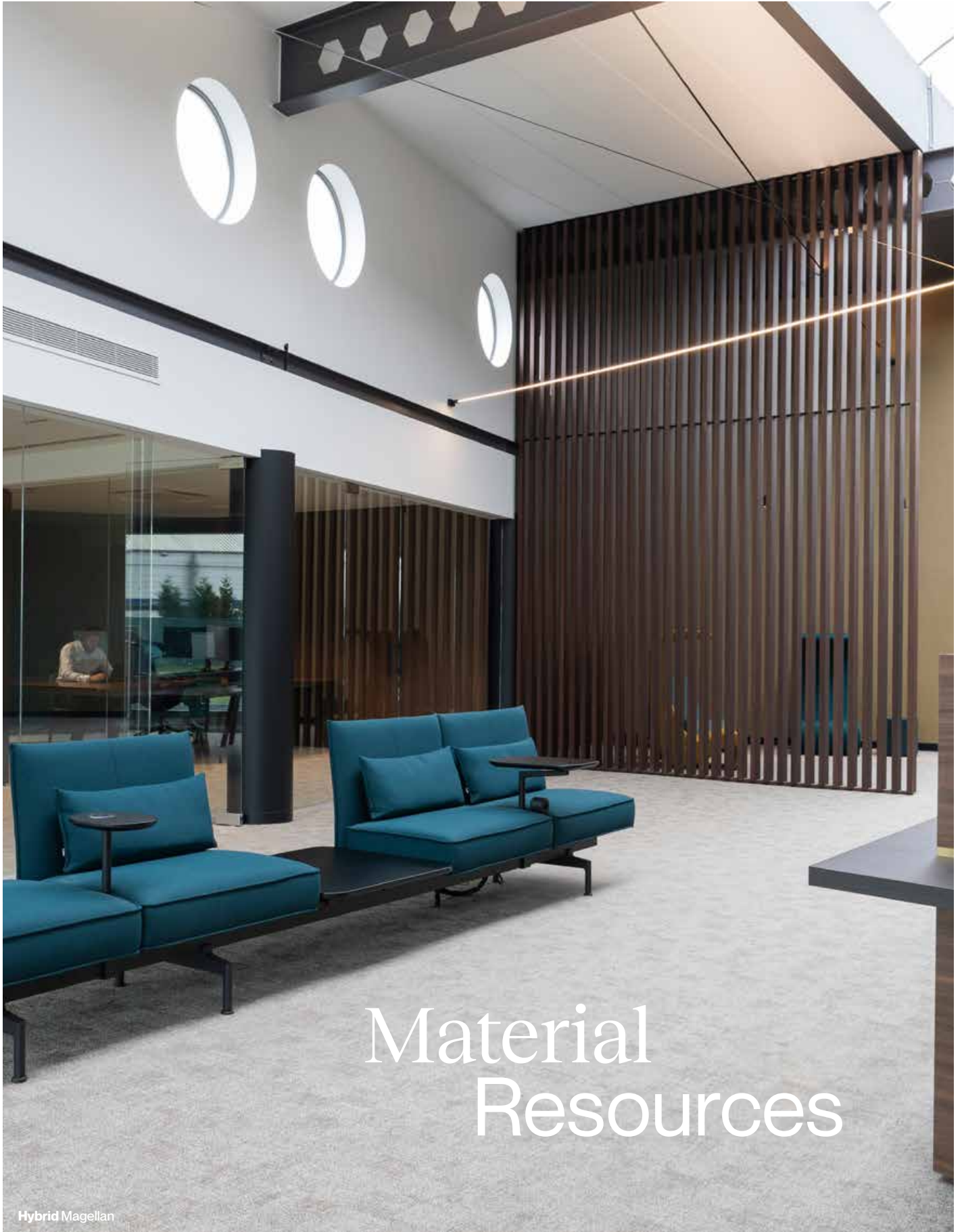
Our contribution to your LEED certification

Score Overview

As a building product, **2TEC2** can make a significant contribution to LEED certification. LEED consists of **8 categories**, and 2TEC2 can contribute up to **20 points**.



CATEGORY	ITEM	MAX POINTS
Material Resources (MR)	Interiors Life-Cycle Impact Reduction	Up to 5 points
	Environmental Product Declarations	Up to 2 points
	Sourcing of Raw Materials	Up to 2 points
	Material Ingredients	Up to 2 points
	Construction and Demolition Waste Management	Up to 2 points
Indoor Environmental Quality (EQ)	Low-emitting Materials	Up to 3 points
	Indoor Air Quality Assessment	Up to 2 points
	Acoustic Performance Max	Up to 2 points



Material Resources

At 2TEC2, we believe that what is valuable should last. Our flooring is designed for durability and reuse.

MATERIAL RESOURCES

Interiors Life-Cycle Impact Reduction

Thanks to the non-permanent adhesive of 2TEC2 tiles, replacing damaged tiles is easy, and you have convenient access to raised floors. In the medium term, 2TEC2 can be reused in another space.

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OPTION 1

→ INTERIOR FURNITURE AND
NONSTRUCTURAL ELEMENTS REUSE

A commercial space is typically renovated every 5 to 7 years. With a 15-year warranty for normal use, our 2TEC2 tiles will still be in excellent condition. Given that their lifespan exceeds the average use period of a commercial space, reusing our tiles is a logical choice.

Our score:
Up to 3 points

OPTION 2

→ DESIGN FOR FLEXIBILITY AND
DISASSEMBLY

Our tiles are designed with flexibility in mind. They can be easily adapted to different designs and visions of architects, allowing for seamless combinations of various colors and designs. The installation and disassembly of our tiles are straightforward, providing a flexible layout that can be easily adjusted to meet changing needs.

Our score:
Up to 2 points

At 2TEC2, we strive for maximum transparency and sustainability. We carefully select our raw materials, ensuring that all used materials meet strict environmental standards.

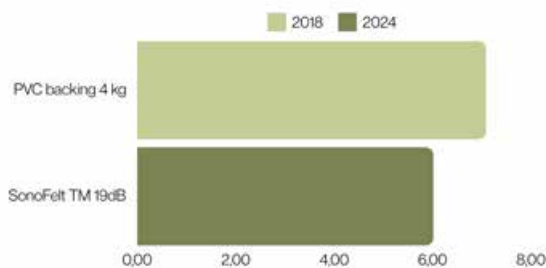
Environmental Product Declarations

As a manufacturer, we are increasingly being held accountable for our environmental impacts. Through an EPD we can show our efforts and growth in reducing our ecological impact and emissions over the years. That's why we provide Environmental Product Declarations (EPDs) for our products. These EPDs offer a complete overview of the life cycle of our tiles, from Cradle to Grave, through a Life Cycle Assessment (LCA) conducted by an independent third party: Institut Bauen und Umwelt e.V. (IBU). Third-party verified & published EPD documents are based on international (ISO 14025) and European (EN 15804) standards.

The EPDs are published by IBU: <https://ibu-epd.com/en/published-epds>

2TEC2's SonoFelt™ 19 dB has a Global Warming Potential (GWP) of 6.02 kg CO₂/m². Compared with our previous standard product, that's an improvement of 1.07 kg CO₂/m²!

2TEC2's Improvement in reducing CO₂ emissions:



Our score:
Up to 2 points

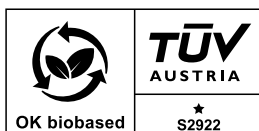


Sourcing of raw materials

At 2TEC2, we also demand transparency from our suppliers. We consciously choose products and materials for which life cycle information is available. The raw materials we use comply with REACH regulations, which is essential for a strong partnership with our suppliers. REACH promotes the protection of human health and the environment from dangerous chemicals. This European legislation places the responsibility for the safe management of chemicals on companies.

The acoustic backing of SonoFelt™ 19dB, 2TEC2's standard product, contains 70% recycled post-consumer waste. Additionally we are making the switch from fossil to renewable resources, a big step in our journey to decarbonisation. With almost 40% biobased content in the woven top layer, 2TEC2 is one of the first floor coverings that achieved this certification. At the moment we have 3 biobased collections: Strata, Alhambra & Palma. We plan to switch to a fully biobased range in the future!

We are especially proud of our progress with the establishment of Plascopet, our own recycling facility. This facility plays a crucial role in reusing pre-consumer waste and minimizing overall waste. Plascopet enables us to process and reintroduce a portion of the used materials back into our production processes, reducing the need for virgin raw materials.



Our score:
Up to 2 points

Material ingredients

At 2TEC2, we ensure that all chemical and potentially harmful substances in our production are carefully inventoried, selected, and minimized according to REACH standards. The exact percentages of raw materials in our products can be found in detail in our Environmental Product Declaration (EPD), allowing you to compare our products with other eco-labels and certifications.

Download our Sustainability brochure on the website for more information.

Our score:
Up to 2 points





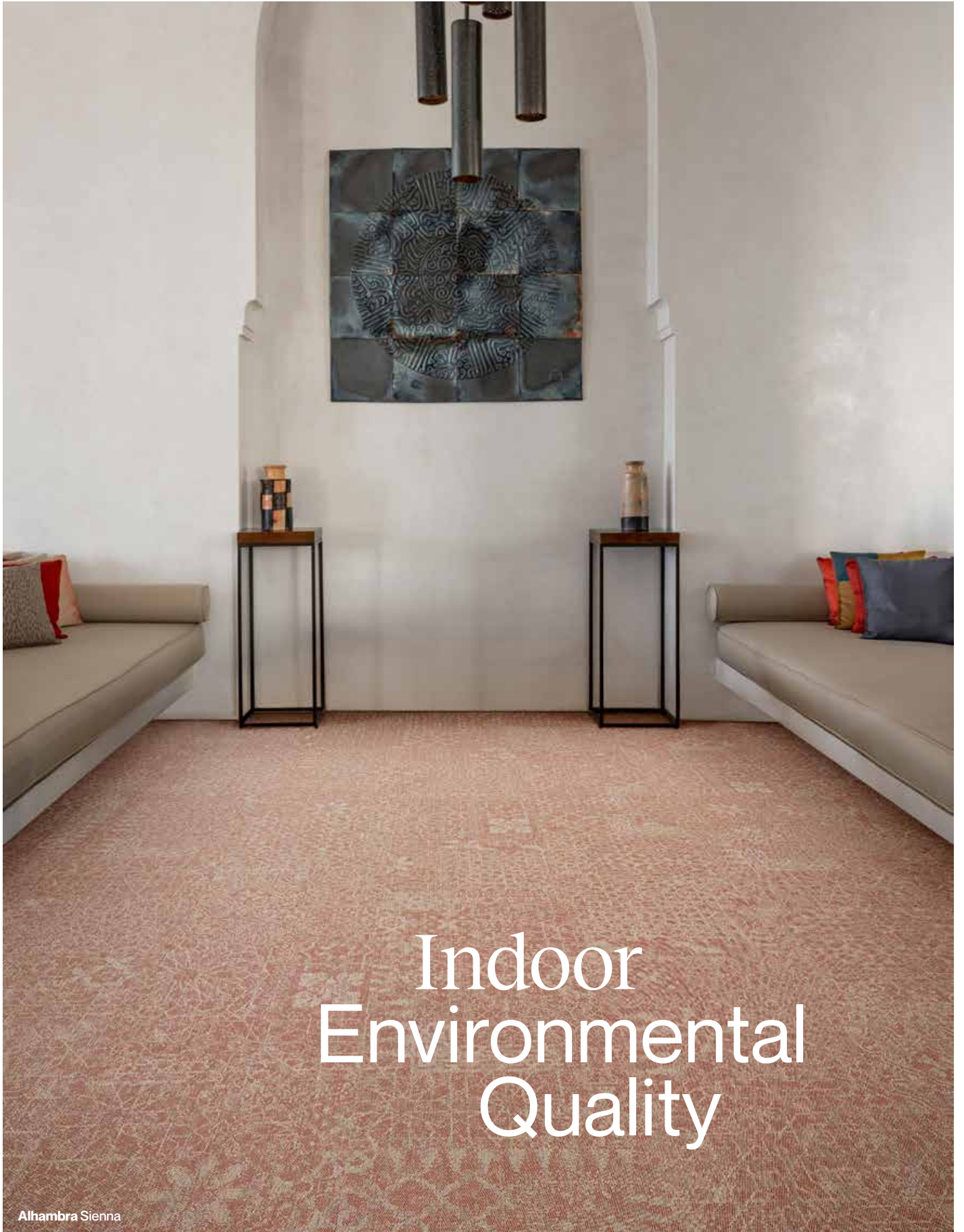
At 2TEC2, we provide support in calculating the exact square footage of flooring needed for your project. This helps avoid ordering excess material.

Construction & Demolition Waste Management

For 80% of all 2TEC2 projects, tiles are the preferred choice. Opting for tiles results in less cutting waste compared to rolls. For tile orders, a waste margin of 3-4% is calculated, whereas for rolls, the margin is around 10%.

We continuously invest in internal recycling processes. Our goal is that by 2025, at least 50% of the material content will come from pre- and post-consumer waste. Helping reduce construction and demolition waste, promoting the recovery of materials.

Our score:
Up to 2 points



Indoor Environmental Quality

At 2TEC2, we believe that what is valuable should last. Our flooring is designed for durability and reuse.

INDOOR ENVIRONMENTAL QUALITY

Low-emitting materials

2TEC2 guarantees low emissions. We continuously work to reduce the chemical impact of our products on air quality and the environment. Our products comply with CDPH (California Department of Public Health) regulations and carry the FloorScore® certification, emphasizing our commitment to safe materials.

After 28 days of testing, the TVOC (Total Volatile Organic Compounds) of our tiles is maximum 0.085 mg/m², contributing to excellent indoor air quality.

Additionally, our products meet strict environmental standards and are certified with eco-labels such as Indoor Air Comfort Gold and M1, highlighting our dedication to low emissions and a healthy indoor environment.

Our score:
Up to 3 points



Indoor Air Quality Assessment

At 2TEC2, we contribute to healthy indoor air quality, both during the construction phase and the use of our flooring. Our product has a 3D structure that effectively traps dust and minimizes the amount of fine particulate matter (PM) in the air.

Our woven top layer is made of PVC yarns. These yarn filaments are fiber-free, meaning no fibers can be released into the air. This also makes the surface easy to clean, contributing to a healthy and hygienic environment. What makes our product perfect to apply in the health sector. We provide up-to-date maintenance instructions in various languages on our website with all the tips and tricks needed to properly maintain your flooring and improve the air quality in your space.

Our score:
Up to 2 points

Acoustic performance

2TEC2 flooring is designed to absorb and isolate sound, contributing to a better working and living environment. This enhances well-being, productivity, and communication.

Our standard product, SonoFelt™ 19 dB, offers excellent acoustic performance. The technical data sheet for our products contains detailed information on their acoustic properties:



IMPACT SOUND REDUCTION:

- ISO 10140: 19 dB
- Impact Insulation Class (IIC): 54 dB (measured according to ASTM E492-09 & E989-06)
- Improvement in Impact Insulation Class (IICc): 54 dB (measured according to ASTM E2179-03 & E989-06)
- (Δ IIC): 54 dB (measured according to ASTM E2179-03 & E989-06)



ACOUSTIC ABSORPTION

- ISO 354: $\alpha_w = 0,15$



WALKING SOUND REDUCTION

- EPLF 021029-3: 70%
- EN 16205: 76 dB

Test reports are available upon request, allowing you to easily verify the acoustic performance.

Our score:

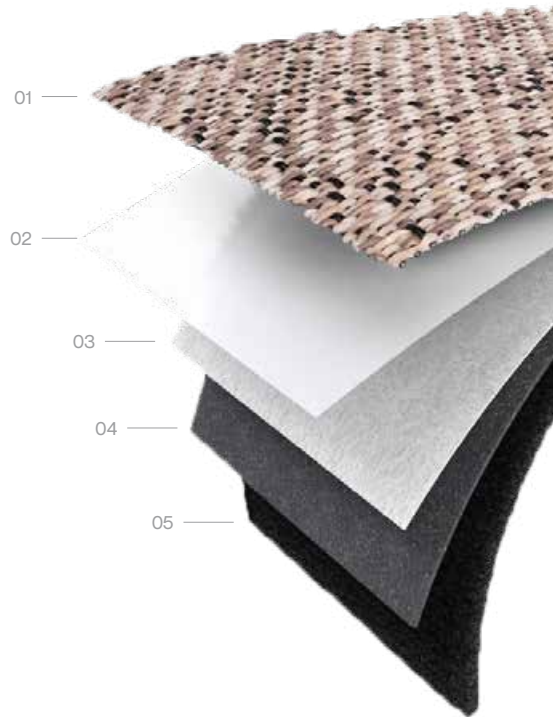
Up to 2 points

**REFINED
WOVEN FLOORING**

2TEC2 is a high-tech woven flooring. The woven top layer provides the signature 3D structure and is waterproof.

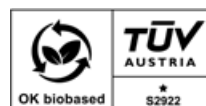
The backing is made of felt from recycled PET, giving 2TEC2 excellent acoustic properties and great walking comfort.

2TEC2 offers a wide selection of designs, colors, and shapes.



Product Cross-Section:

- 01 Woven Layer
- 02 Precoat layer
- 03 Fibreglass non-woven layer
- 04 Base coat layer
- 05 Acoustic felt layer SonoFelt™





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