

A modern living room with large windows, a beige sofa, and a white coffee table with a vase. The room is bright and airy, with natural light streaming in from the windows. The sofa is positioned in front of the windows, and the coffee table is in the foreground. A white vase sits on the coffee table. The text is overlaid on the bottom left of the image.

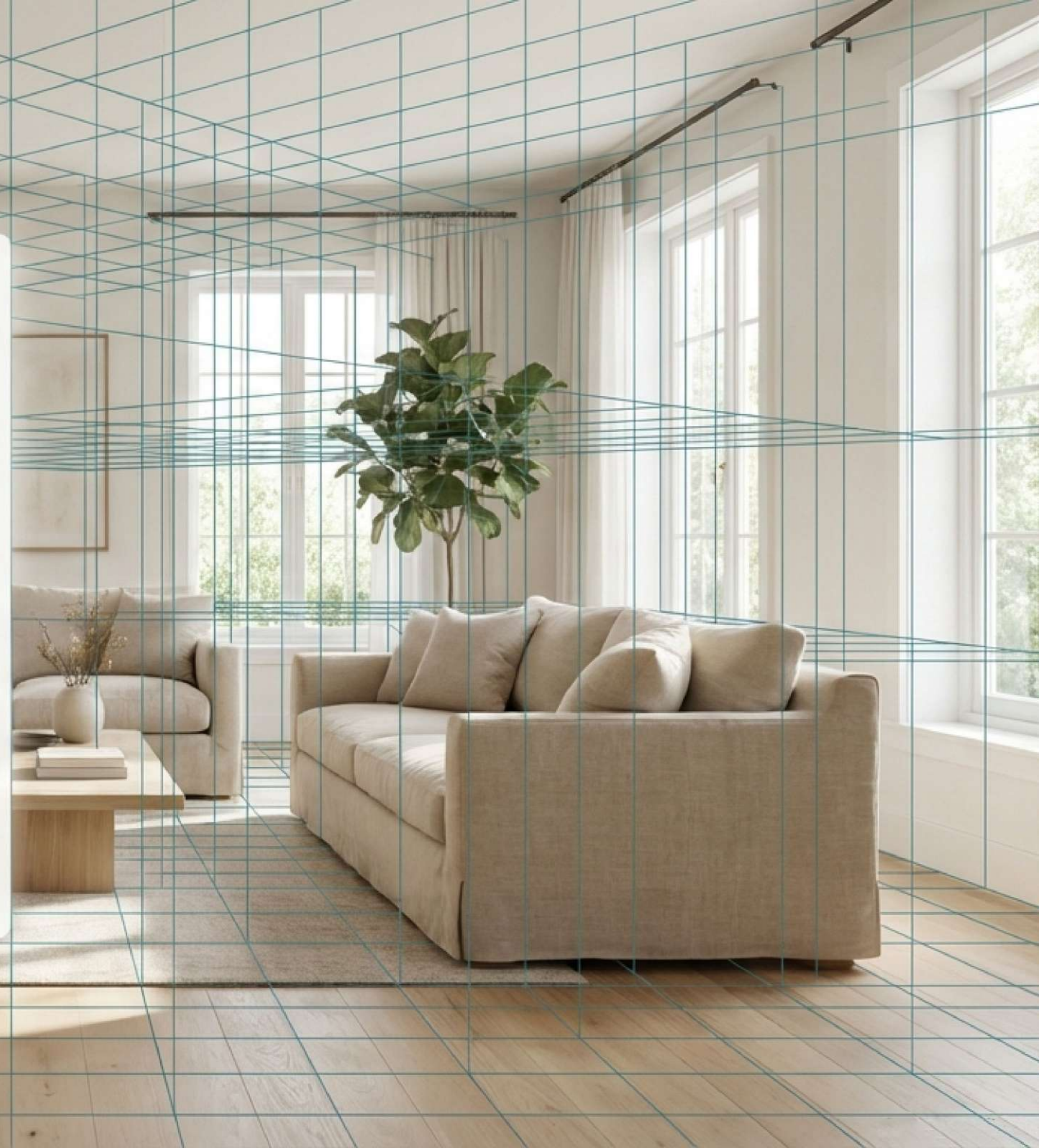
# **Suberlev: The Science of a Smarter Sanctuary.**

Advanced Shielding Textiles for Modern Living.



# Our Homes Are Sanctuaries. But Our Environment Has Changed.

Modern life has filled our spaces with a dense network of invisible forces. From the signals that power our phones to the networks that connect our computers, our homes are constantly exposed to a broad spectrum of high and low-frequency electromagnetic fields (EMF).





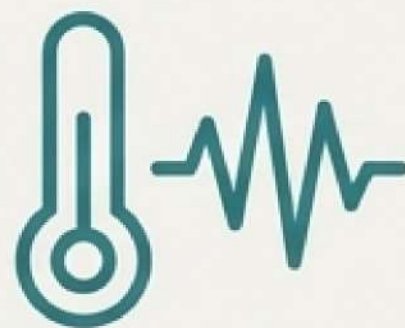
# An Elegant Solution for an Invisible World.

Suberlev from Falconstema is a revolutionary fabric engineered to restore balance to modern living spaces. It offers a unique trifecta of benefits in a single, integrated design.



## High-Performance EMF Shielding

Protects from high and low-frequency electromagnetic fields.



## Superior Thermal & Acoustic Comfort

An innovation in insulation that regulates temperature and dampens noise.



## Eco-Conscious Design

Crafted from certified safe, ecological organic materials for a healthier home.

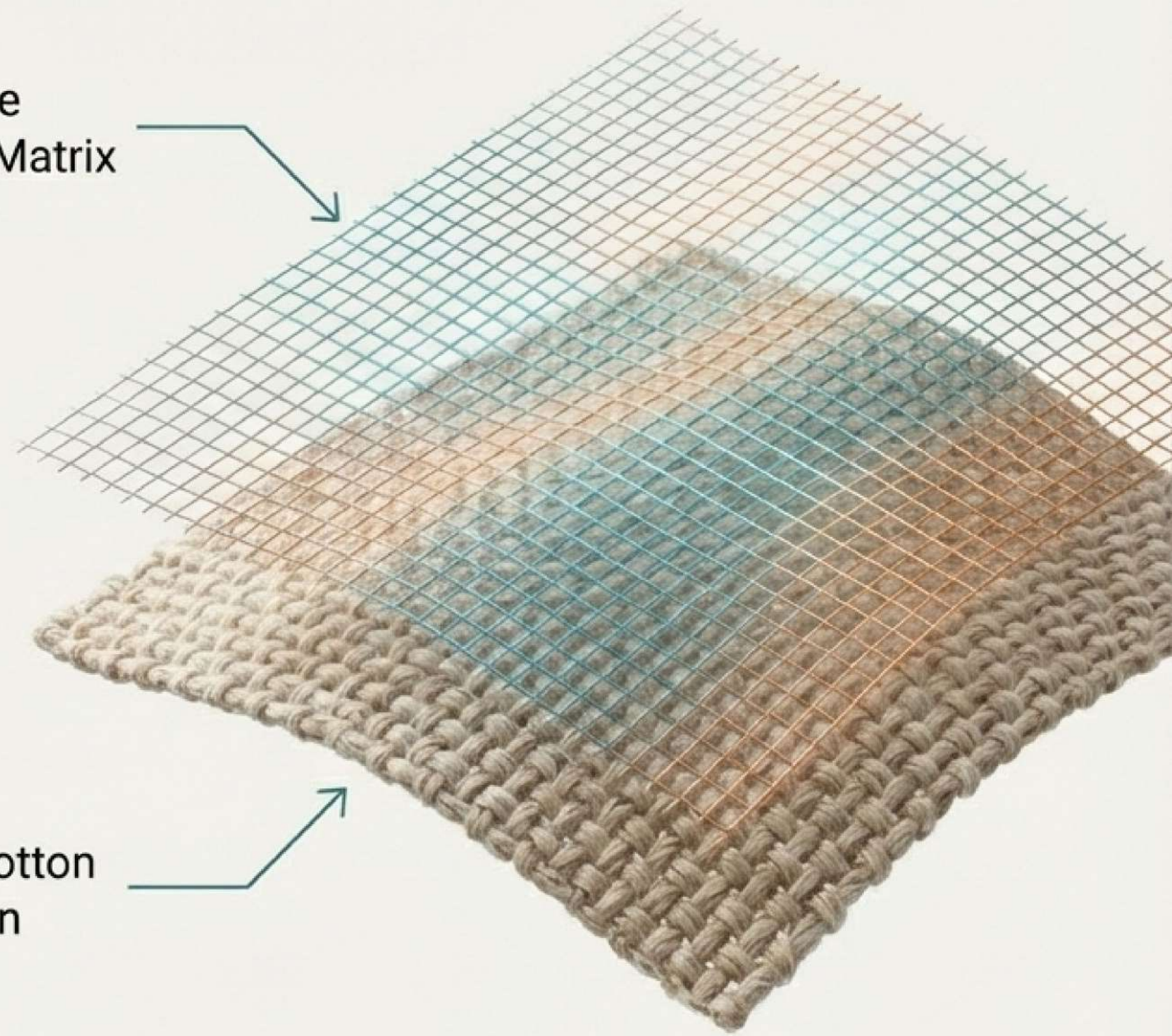


# How Can a Fabric Provide Such Powerful Protection? The Answer is Woven Inside.

The effectiveness of Suberlev lies in the clever and precise combination of natural and metallic materials. Each component is chosen for a specific purpose, working together to create a powerful shielding barrier.

Conductive  
Shielding Matrix

Organic Cotton  
Foundation







# 82% Ecological Organic Cotton

The base of the fabric is pure, high-quality organic cotton. This ensures the material is natural, breathable, and safe for any living environment. Its quality and safety are validated by rigorous testing for harmful substances.

Certified according to Öko-tex Standard 100.





# 18% Copper & Silver Microfilaments

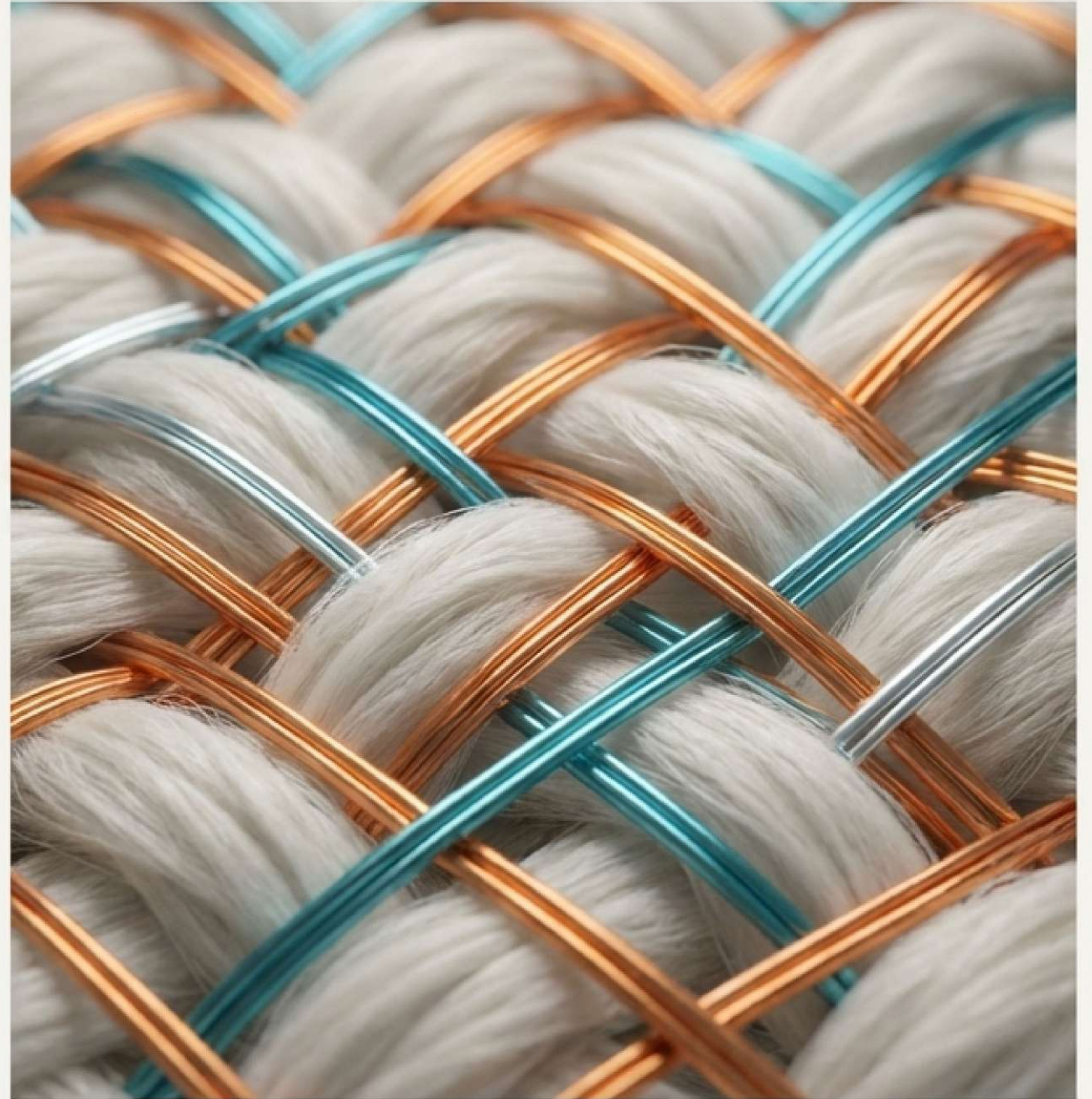
This is the active shield.

This is the active shield. Micro-thin, copper-plated thread microfilaments and silver are precisely woven into the cotton foundation. These conductive elements create a physical barrier that blocks and attenuates electromagnetic radiation.

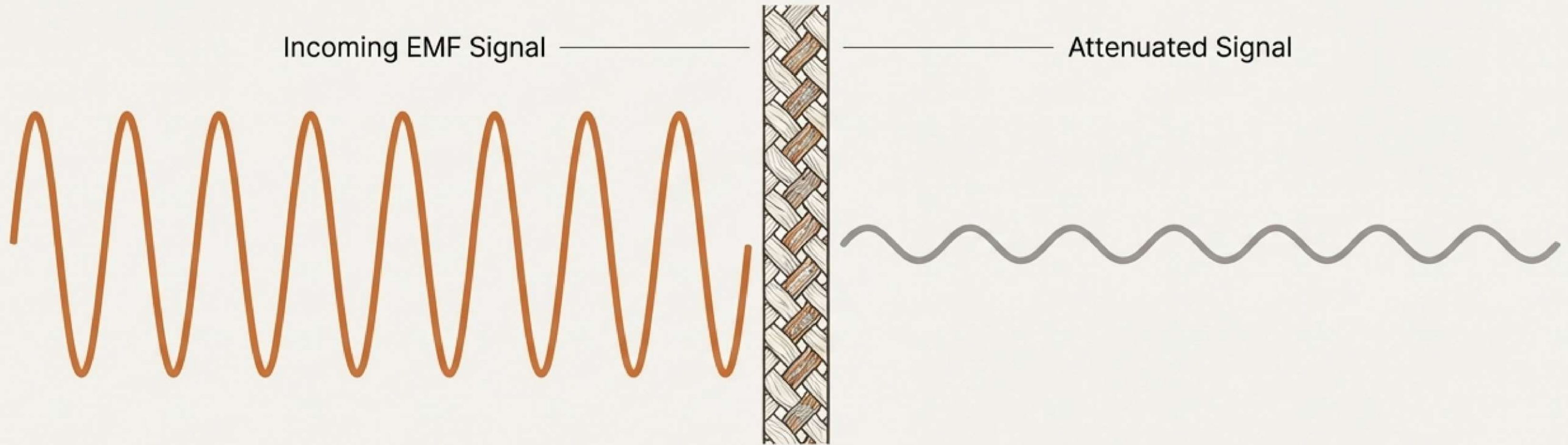
Composition Breakdown:

Copper: 17%

Silver: 1%







## Measuring the Invisible: The Science of Attenuation.

The fabric's performance is measured by its "attenuation"—its ability to reduce the strength of electromagnetic fields passing through it. Measured in decibels (dB), a higher value means greater protection. Suberlev has been rigorously tested by institutions like the University of Munich and the German Army according to established scientific standards.

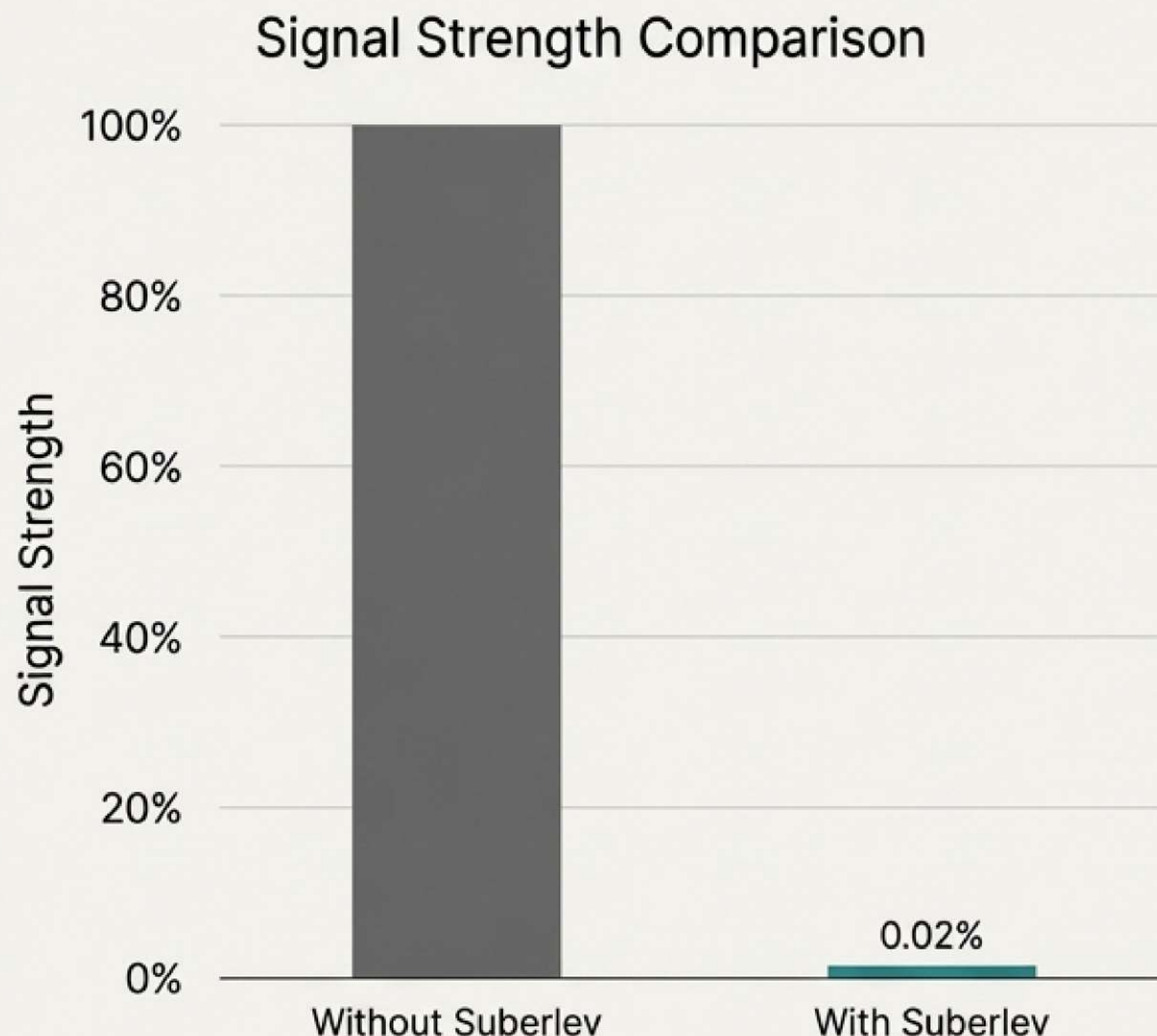
# Proven Effectiveness You Can Count On.

## 38 dB

at 1 GHz: This translates to blocking 99.98% of radiation at this common frequency.

## Up to 46 dB

The fabric's maximum shielding capability.





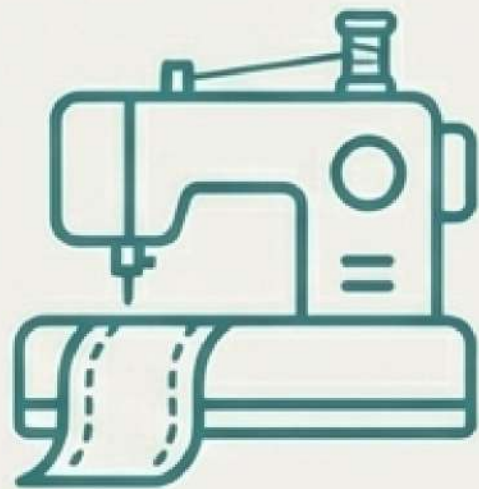
# Technical Specifications

Property	Value
Composition	82% Ecological Organic Cotton, 17% Copper, 1% Silver
Fabric Weight	69 g/m <sup>2</sup>
Standard Width	2.5 m linear meter
Dimensional Stability	3%
Color	White - raw
Testing Standards	ASTM D4935-10, IEEE Standard 299-2006
Certifications	Öko-tex Standard 100 and 1000



# Advanced Technology, Seamlessly Integrated.

Suberlev's brilliance lies not just in its performance, but in its practicality. It is engineered to be as versatile and easy to use as any conventional high-end textile.



## **Confectionable**

Easily crafted into custom curtains, blinds, and other treatments.



## **Washable**

Simple to clean and maintain for long-term use and hygiene.



## **Flattenable**

Can be ironed to maintain a smooth, professional, and high-quality finish.



# Essential Care for Lasting Performance.

Following these straightforward guidelines is key to maintaining the fabric's unique shielding integrity and beauty for years to come.

 Best Practice (The Do's)	 What to Avoid (The Don'ts)
<b>DO</b> wash at a low temperature.	<b>DON'T</b> use high heat for washing.
<b>DO</b> use a specialized detergent for shielding fabrics.	<b>DON'T</b> use common soaps, bleach, or harsh chemicals.
<b>DO</b> hang the wet garment to dry.	<b>DON'T</b> use a machine dryer.
<b>DO</b> iron on a minimum temperature setting.	<b>DON'T</b> use high heat or significant steam.



# Ensuring Maximum Efficacy.

To guarantee safety and performance, the following points are critical and must be communicated to all installers and end-users.



## **Professional Application**


Suberlev products must be applied by applicators approved by the manufacturer to ensure proper installation and efficacy.



## **Grounding Notice**

The fabric is not suitable for grounding (BF).





# Smarter Science. Safer Spaces. Sustainable Design.

Suberlev is the synthesis of high-performance shielding, superior thermal and acoustic insulation, insulation, and eco-conscious principles. It is a next-generation protective textile engineered for the modern home.



# Help Us Help You

## Innovation in Protection.



The information provided is based on extensive practical experience and laboratory testing.  
We recommend practical tests to ensure compatibility for each specific application.



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