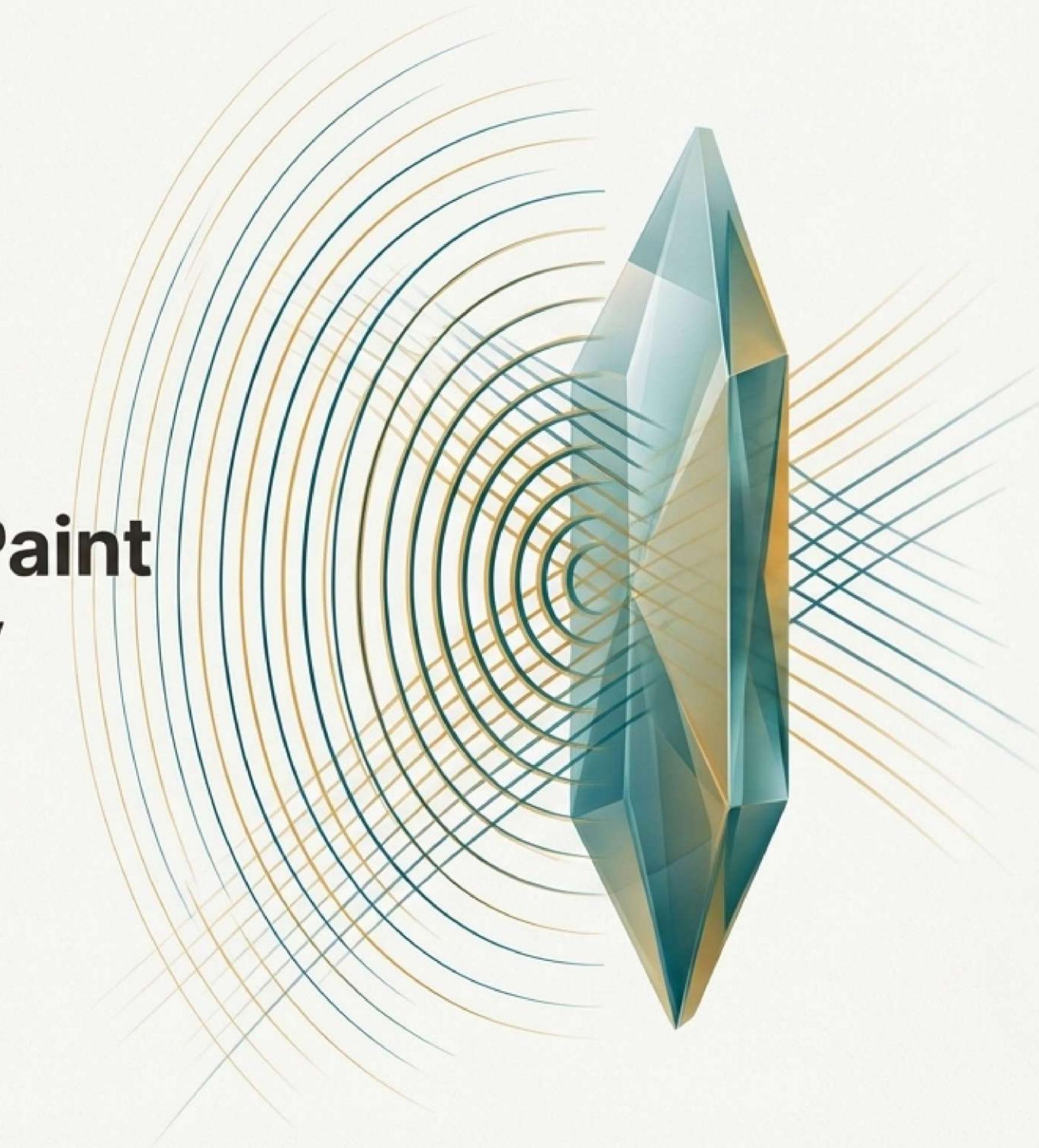


Suberlev Anti-Radiation Paint

The Definitive Shield for Health and Security



Our Environments Are Saturated with an Unseen Threat

An increasingly connected world has led to continuous exposure to high- and low-frequency non-ionizing radiation. This pervasive electromagnetic radiation stems from essential modern technologies: cell towers, wireless networks, power lines, and personal devices. This constant exposure has emerged as a significant modern concern, impacting both personal well-being and organizational integrity.



The Dual Impact of Pervasive Electromagnetic Exposure



Human Health & Well-being

Continuous exposure to micro-radiation is documented to affect human quality of life. Key concerns include:

- Sleep disorders
- Damage to the immune system
- Other pathologies and diseases resulting from continuous exposure



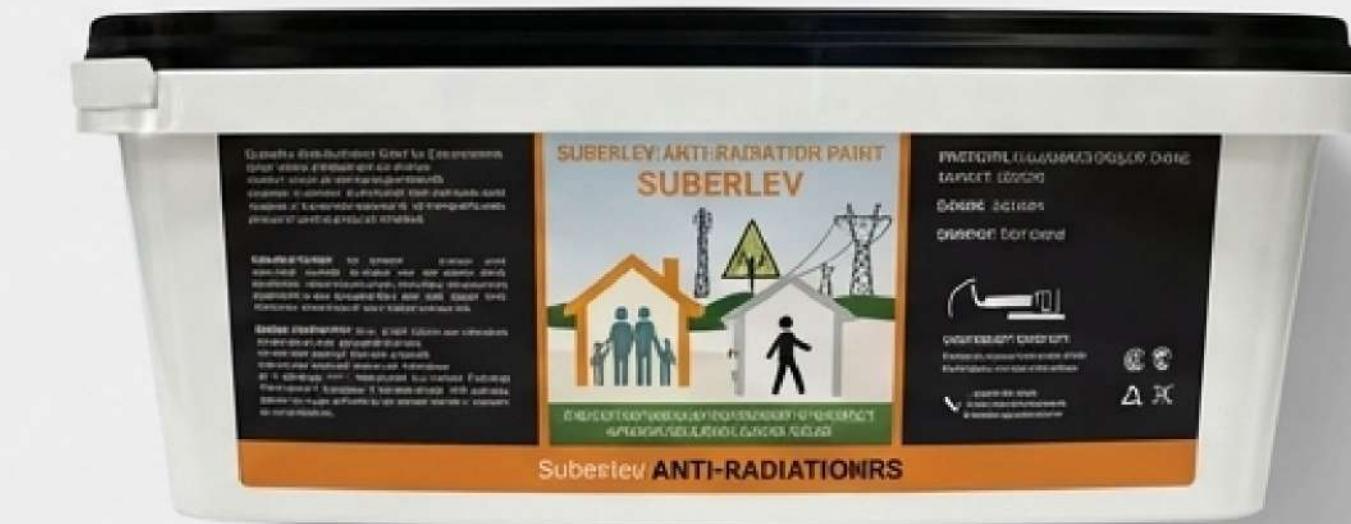
Corporate & Data Security

Unshielded environments present a significant industrial risk, making physical-layer security a necessity. Key vulnerabilities include:

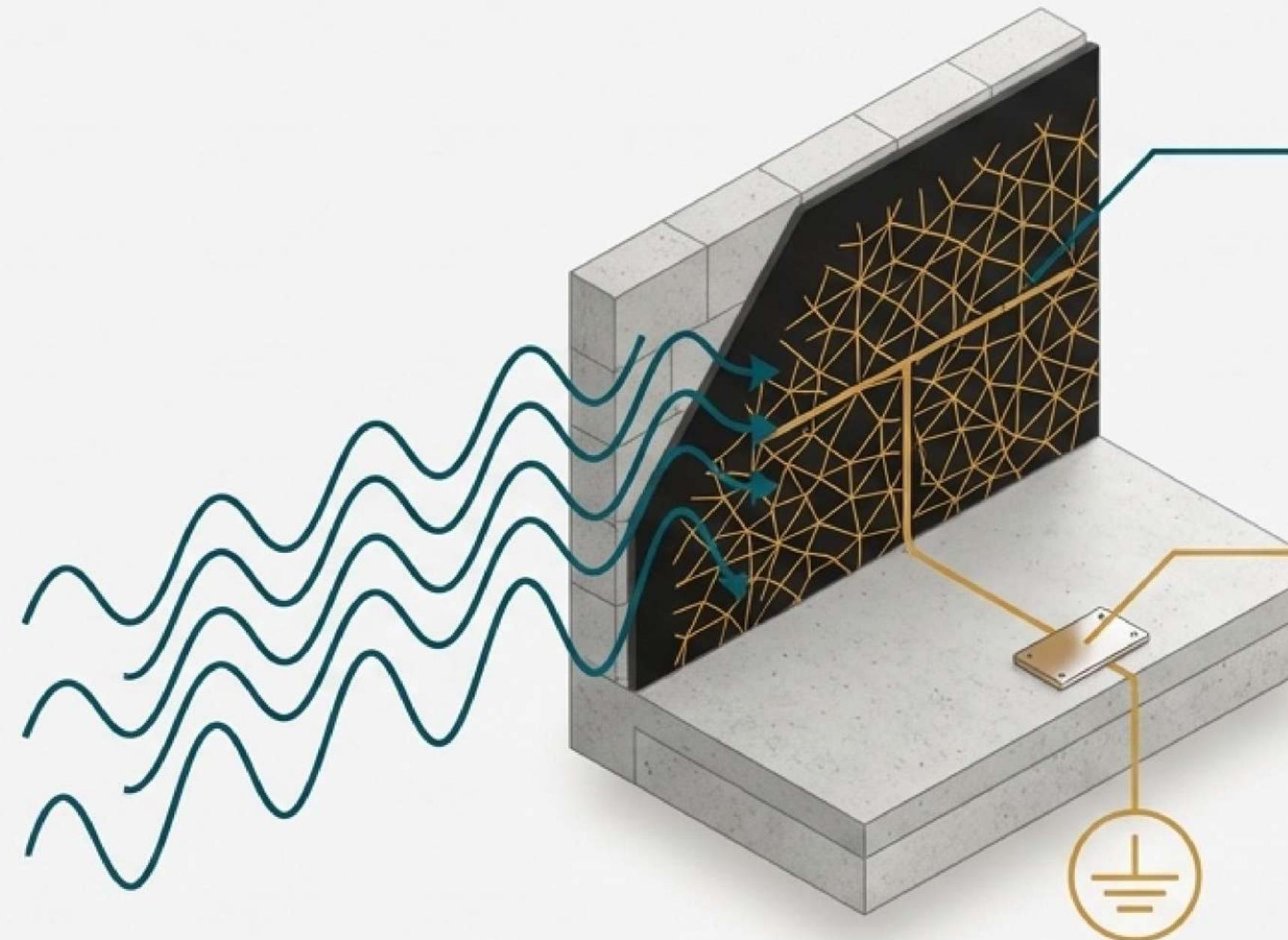
- Unauthorized interception of data from wireless networks
- Electronic eavesdropping on confidential conversations in conference rooms

The Solution: An Engineered Shield Against Electromagnetic Radiation

Suberlev Anti-Radiation Paint by Falconstema is a pivotal advancement in protective coatings. It transforms standard walls, ceilings, and floors into a comprehensive protective shield. This water-based, electrically conductive coating is engineered to establish a robust barrier against both high and low-frequency non-ionizing electric fields. It represents a critical material for securing sensitive data and protecting human health in modern environments.



How It Works: The Science of the Shield



- 1. Intercept:** When applied, the micro-fibers create a continuous, conductive layer that intercepts electromagnetic fields.
- 2. Dissipate:** This layer must be connected to a grounding plate. This crucial step allows the captured electromagnetic energy to be safely dissipated into the earth, preventing it from re-radiating into the space.

This integrated system design eliminates the need for conductive tape, simplifying the application process while ensuring comprehensive and reliable protection.

42 dB
Shielding Attenuation

99.90%
Radiation Blockage

Performance achieved with a standard application of two layers. The result is a highly effective, seamless shield against electromagnetic interference, validated through rigorous laboratory testing.

Engineered for Performance, Durability, and Versatility



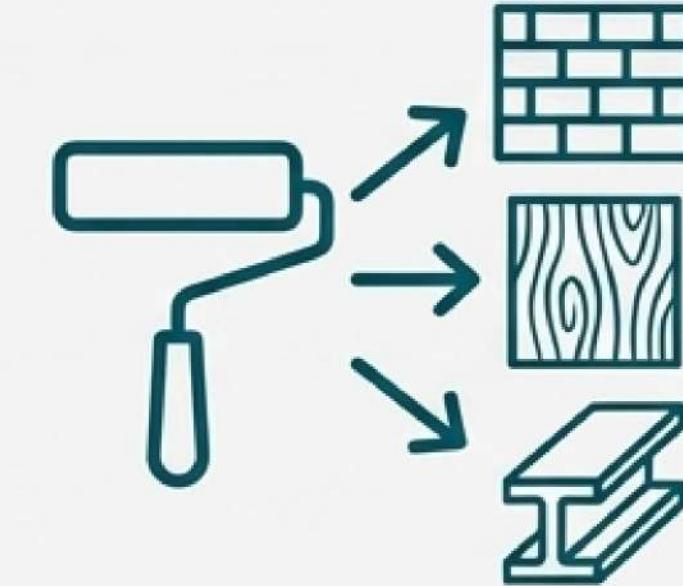
High Electromagnetic Protection

Delivers market-leading shielding, creating secure zones free from data interception and environments that support human health.



Superior Durability & Corrosion Resistance

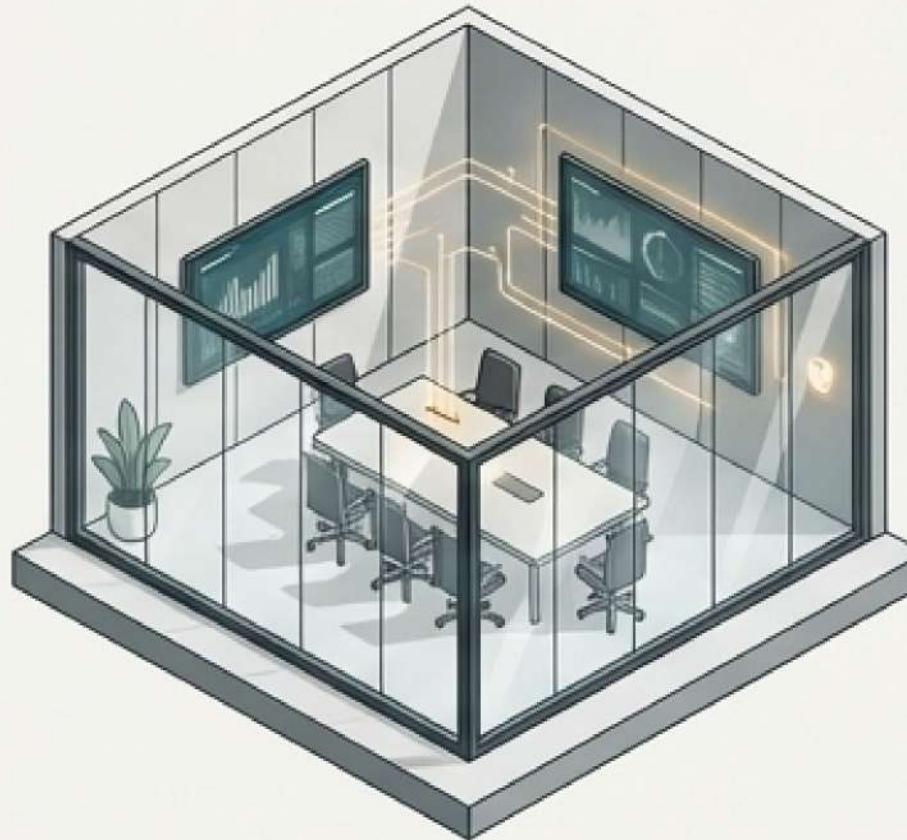
The completely metal-free composition guarantees high resistance to corrosion and ensures the paint will not rust. This provides long-term performance with minimal maintenance costs.



Broad Application Versatility

Engineered for both indoor and outdoor use with excellent adhesion to a wide variety of substrates. A flexible solution for retrofitting existing spaces or incorporating into new construction.

Protecting What Matters Most: Ideal Applications



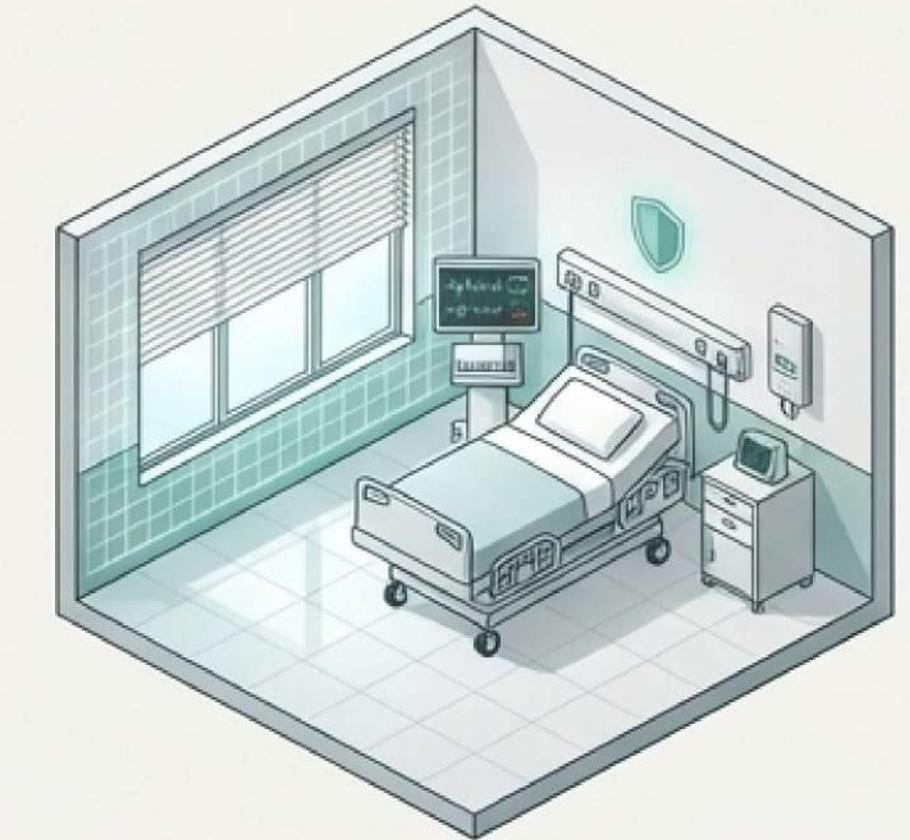
Industrial & Corporate Security

Securing conference rooms, executive offices, and R&D labs to prevent data interception and corporate espionage.



Domestic & Residential Well-being

Creating a healthier living environment by mitigating ambient radiation in bedrooms and living areas to improve quality of life.



Institutional & Sensitive Facilities

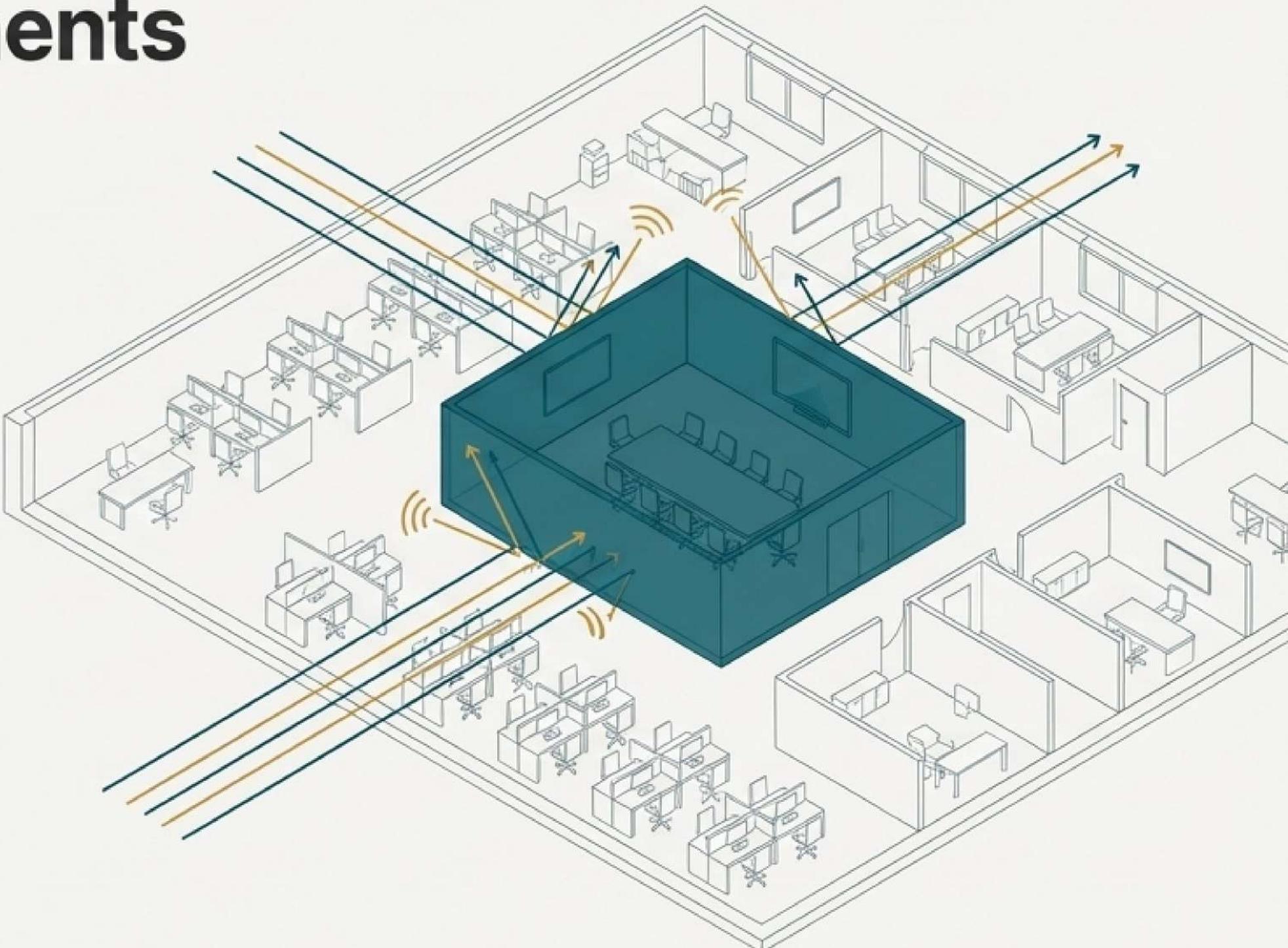
Fulfilling a duty of care in schools, daycare centers, hospital wards, and hotels by providing a higher standard of protection for vulnerable occupants.

A Closer Look: Securing Corporate and Industrial Environments

In the corporate sector, data security is paramount. Suberlev provides an essential layer of physical security against corporate espionage.

Key Applications

-  • **Prevent Data Interception:** Effectively shields against the unauthorized interception of data transmitted over wireless networks.
-  • **Secure Confidential Conversations:** Creates a complete shield across walls, ceilings, and floors in conference rooms and sensitive areas, preventing electronic eavesdropping.
-  • **Protect Sensitive R&D:** Safeguards proprietary information in research and development labs.



A Closer Look: Enhancing Well-being in Residential and Institutional Spaces

For homes and institutions, the focus is on creating a healthier environment and offering a higher standard of protection.

Key Applications

- **Homes:** Mitigates the effects of ambient radiation that can cause sleep disorders and impact the immune system.
- **Hospitals & Wards:** Creates a safer environment for recovery and rest for patients who may be more vulnerable to continuous exposure.
- **Schools & Daycare Centers:** Protects children during crucial developmental stages by reducing their daily EMF exposure.

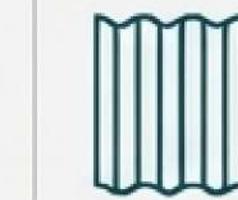
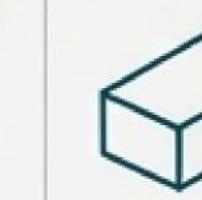


Technical Profile

Property	Value	
Shielding Attenuation (2 layers)	42 dB (99.90% protection)	
Color	Black	
Appearance	Mate	
Base	Water-based	
Theoretical Yield	4 to 6 m ² /L (400 ml/m ²)	
Indoor Performance	5 - 6 m ² /L	
Outdoor Performance	4 - 5 m ² /L	
Drying Time	Drying Time	6 - 8 hours
Recoat Time	Recoat Time	10 - 12 hours
Solid Content (by Volume)	(by Volume)	56%
pH Value	pH Value	7.5 - 8.5
Viscosity	Viscosity	60,000 ± 5,000 cps
Maximum Dilution	Maximum Dilution	5 - 10% with water
Packaging	Packaging	2.5 L Pots

Application Protocol: Surface Compatibility and Preparation

Compatible Substrates



- Concrete
- Cement
- Plaster
- Plasterboard
- Wood
- Galvanized Steel
- Mortar
- Ceramic Brick
- Single-layer Mortar
- PVC
- Natural Stone
- Corrugated Sheet

For New Concrete/Cement Substrates



1. Allow a minimum 28-day cure time.



2. Ensure surface is clean and dry.



3. Lightly sand polished surfaces to open the pore.



4. Apply one coat of Suber-fix Acrylic Fixative Suberlev (diluted 1:4 with water).

For Old or Existing Surfaces



1. Remove all loose or badly adhered old paint.



2. Thoroughly clean to remove dirt, dust, and mold.



3. Repair any physical defects to create a uniform surface.



4. Apply one coat of Suber-fix Acrylic Fixative Suberlev (diluted 1:4 with water).

The Foundation of Quality: Professional Application is Mandatory



SUBERLEV products must be applied by applicators approved by the manufacturer.

- This critical quality assurance measure guarantees the specified shielding performance and long-term durability of the coating.
- Adherence to the correct application methodology is essential to achieving the full 42 dB attenuation (99.90% protection).
- Professional application ensures complete client satisfaction and delivers certified, reliable results on every project.

Suberlev: The Definitive Shield for Modern Environments

Suberlev Anti-Radiation Paint by Falconstema is more than a coating—it is a strategic investment in safety and security. By creating a proven, high-performance shield against pervasive electromagnetic radiation, you can:



Secure sensitive corporate data and confidential conversations.



Protect human health and enhance quality of life in homes, schools, and hospitals.



Deliver a certified, durable, and long-lasting solution with professional assurance.

Specify Suberlev to create healthier, more secure environments.

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.