

ESD Flooring for Controlled & Technical Environments



In static sensitive environments, flooring plays a direct role in equipment protection, process stability, and overall operational reliability. Because it functions as an active part of the facility's ESD control system rather than a decorative finish, Gerflor solutions provide consistent, embedded performance that helps reduce risk, protect sensitive components, and support uninterrupted production.



ENGINEERED FOR STATIC-SENSITIVE AND HIGH-RELIABILITY SPACES

Gerflor ESD systems are built for environments where electrostatic discharge poses operational, safety, and product-quality risks. Our ESD solutions meet federal ANSI S20.20 Standards and European IEC 61340-5-1 standards. Integrated conductive constructions provide predictable performance, while modular and sheet formats support long-term reliability across manufacturing, testing, and technical support zones.

STATIC CONTROL AND PERFORMANCE STABILITY

ESD-sensitive facilities require flooring that maintains consistent electrical behavior despite traffic, cleaning, and environmental changes. Gerflor solutions use embedded conductive pathways to deliver stable resistance values without degradation, reapplication cycles, or performance drift. This supports validated ESD programs and reduces the likelihood of unplanned failures.

OPERATIONAL CONTINUITY AND RISK REDUCTION

Reliable static dissipation helps protect sensitive components, minimize downtime, and maintain process integrity. Modular platforms such as *GTI EL5* allow rapid replacement and access to subfloor utilities, while homogeneous sheet systems provide continuous, easy-to-maintain surfaces. Together, these solutions help facilities safeguard uptime and manage lifecycle costs more effectively.





APPLICATIONS ACROSS TECHNICAL SPACES

Electronics Manufacturing | Semiconductor Production | Data Centers | Assembly & Test Areas
| Cleanroom-Adjacent ESD Zones | Technical Support Spaces |



STATIC SAFETY & PROGRAM COMPLIANCE

ESD flooring must perform as part of a coordinated control system. Gerflor designs minimize variables that can compromise compliance, such as worn coatings or inconsistent surface treatments. Gerflor's engineered ESD flooring solutions offer low charge potential with low electrical resistance to create a working environment designed to dissipate or "bleed off" static electricity in a controlled and safe way to the ground. Integrated conductive layers provide predictable pathways that help prevent excursions that could impact product quality or equipment reliability.

HEALTH, SAFETY, AND ENVIRONMENTAL CONTROL

Continuous surfaces, tight transitions, and durable constructions reduce particle generation and eliminate weak points where contaminants or charge can accumulate. For areas requiring static control, *EL5 sheet* and tile formats deliver embedded ESD performance that protects sensitive electronics and supports safe, compliant operations across technical zones.

INTEGRATED SYSTEM DESIGN

Gerflor ESD flooring pairs with complementary wall protection and finishing systems to create clean, continuous transitions that reduce maintenance points and support controlled-environment design. This integrated approach enhances durability, simplifies cleaning, and supports consistent performance across production, testing, and support areas.

Gerflor Technical Environment Flooring Solutions

GTI ESD+ | GTI EL5 | Mipolam BioControl ESD+ | BioControl EL5 | Technic EL5