High-density anti-static flooring with cable trays immersion liquid cooling in stock

Overview

Our systems integrate with grounding grids, cable management, cooling systems, and raised-floor environments, ensuring predictable maintenance and safe installation in live facilities.

Key Takeaways

Anti-static raised floors and high-density ESD tiles provide static control, integrated cable management, and support for high-density server environments, suitable for immersion liquid cooling setups.

Anti-

Static Raised Floor SystemsAnti-static raised floors are modular flooring systems designed to protect sensitive electronics while providing underfloor cable management. These systems consist of adjustable pedestals supporting modular panels, creating a void space beneath the floor for power cables, data lines, and HVAC infrastructure. Each panel is made from conductive materials and features a grounding system to maintain consistent static discharge protection, typically within 1x106 to 1x109 ohms, meeting international ESD safety standards.

The modular design allows easy access for maintenance, reducing downtime and installation complexity.

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High-

Density ESD Flooring Tiles

For environments requiring high-density server racks or electronics, conductive and static-dissipative tiles such as Forbo's Colorex EC/SD or Sphera EC/SD provide dimensionally stable, high-density surfaces. These tiles are permanently static-dissipative, with conductive networks that safely discharge static electricity across the entire surface. They are suitable for IT rooms, laboratories, and cleanrooms, and can withstand high traffic and heavy equipment, including forklifts, without compromising ESD protection.

Cable Tray Integration

Raised floor systems inherently support underfloor cable trays, eliminating the need for overhead cable management. The void space beneath the panels allows for organized routing of power and data cables, which is essential for high-density server deployments and liquid immersion cooling setups, where precise cable and fluid line management is critical. Compatibility with Immersion Liquid CoolingWhile the sources do not explicitly mention immersion cooling, raised floors and high-density ESD tiles are compatible with data centers using liquid cooling.

The accessible underfloor space allows for routing coolant lines, pumps, and sensors, and the static-dissipative properties ensure that sensitive electronics remain protected from electrostatic discharge during installation and operation.

In-

Stock and Installation ConsiderationsManufacturers such as Sika, Stonhard, Forbo, and StaticWorx offer ready-to-ship ESD flooring solutions suitable for high-density technical environments. These systems are available in modular panels or sheet formats, allowing for rapid deployment with minimal disruption to ongoing operations. Many products are adhesive-free or self-leveling, enabling immediate use after installation.

Summary

For high-density server rooms or electronics facilities requiring anti-static protection, cable management, and support for immersion liquid cooling, the following options are recommended: Raised anti-static floors with modular panels and underfloor cable trays for flexible infrastructure management.

High-density ES

D tiles (e.g., Colorex EC/SD, Sphera EC/SD) for permanent static control and heavy equipment support. Manufacturers with in-stock solutions: Sika, Stonhard, Forbo, StaticWorx, offering rapid deployment and professional installation support. These solutions ensure operational continuity, safety, and efficient cooling infrastructure in high-density, sensitive electronic environments.

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Article Content

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Anti static raised flooring is made of standard steel cementitious raised floor, with different kinds of anti-static coverings on top, such as high pressure laminate (HPL), conductive PVC tile. There are

Anti-static Flooring

Anti static raised flooring is made of standard steel cementitious raised floor, with different kinds of anti-static coverings on top.

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ESD Flooring Systems | Stonhard

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