

Product Specification Sheet: Anti Static Tile (ESD Protection)

Tile Specification Team

November 18, 2025

Product Overview: Anti Static Tile

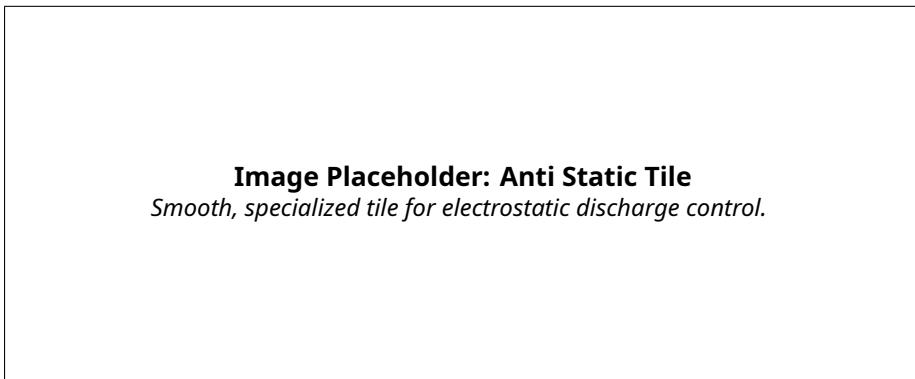


Image Placeholder: Anti Static Tile

Smooth, specialized tile for electrostatic discharge control.

Figure 1: Representative image of the Anti Static Tile, highlighting its smooth, conductive surface.

The **Anti Static Tile** is a technical flooring solution designed for environments where the control of static electricity is critical. This tile incorporates conductive materials that enable it to efficiently dissipate and ground electrostatic charges, thereby minimizing the risk of damage to sensitive electronic equipment and reducing the likelihood of static shocks to personnel. It is optimized strictly for controlled **Indoor use** where climate and usage are regulated.

Key Features and Benefits

Electrostatic Discharge (ESD) Protection

The primary function of this tile is to actively **Reduces static** buildup by providing a safe pathway for electrical charges to travel to ground. This capability is essential in safeguarding microprocessors, servers, and other valuable electronic components from destructive electrostatic discharge events. It adheres to stringent industry standards for static-dissipative or conductive flooring.

Application and Safety

The controlled composition and finish make it perfectly suited for technical environments such as data centers, server rooms, clean rooms, control centers, and electronics assembly areas. While designed for specialized purposes, the tile also offers general benefits in terms of foot comfort and resilience, ensuring a reliable and highly functional floor base for technical operations.

Technical Specifications

Property	Value / Rating
Nominal Size	24 × 24 inches (60 × 60 cm)
Material Type	Conductive/Dissipative Porcelain
Finish	Smooth Matte/Low Gloss
Application Area	Indoor Technical Use Only
Surface Resistance (ESD)	10^6 to 10^9 Ω (Dissipative)
Water Absorption	< 0.1% (Fully Vitrified)
PEI Rating (Wear Resistance)	IV (Heavy Traffic)
Required Installation	Must be grounded with conductive adhesive