

ESD anti-fatigue mats

◆ Product Description

The anti-static anti-fatigue floor mat employs a three-layer composite structure to achieve electrostatic dissipation functionality within the range of 10-10ohms. Its 15-25 mm elastic cushion layer effectively reduces foot fatigue by 50%, while the acid/alkali-resistant PVC surface layer and conductive rubber base layer deliver slip resistance, antibacterial properties, and environmental sustainability. Supporting customized dimensions, this solution can decrease ESD-related defect rates by 30%.



- Elastic support system
- Dynamic pressure distribution
- Anti-slip safety design
- Durability
- Environmental adaptability

◆ Product Structure

- The anti-static and anti-fatigue floor mat features a four-layer composite structure. it includes an anti-static PVC surface layer with a surface resistance of 10- 10Ω, a 15 - 25mm elastic EPDM buffer layer, a conductive transition layer, and a conductive rubber bottom layer. This structure achieves the dual functions of static dissipation (with a system resistance of $\leq 10 \Omega$) and a 50% reduction in foot fatigue. It also integrates anti-slip steel patterns, sloped edges, and a grounding system.

◆ Typical Applications

- Thanks to its electrostatic protection and ergonomic design, the anti-static and anti-fatigue floor mat is widely used in various industrial scenarios. In industries sensitive to static electricity, such as electronics manufacturing, medical and pharmaceutical, and laboratories, it can effectively protect electronic components and meet compliance requirements. In supermarkets, restaurants, public transportation, and service areas, it can provide anti-slip and shock-absorbing functions.

◆ Typical Product Data and Physical Properties

Material: Nitrile Rubber
 Color: Black, Yellow
 Functions: Anti-static, Anti-fatigue, Pressure-resistant
 Surface Resistance: $1.0 \times 10\Omega - 1.0 \times 10\Omega$
 Packing: 10 pcs/bag

Availability:

Item#	Color	Size
1.2.02.02.0123	Yellow and black	910*610*15MM
1.2.02.02.0113	Yellow and black	910*610*30MM
1.2.02.02.0021	black	600*450*15MM

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only

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