

Anti-Fatigue ESD Matting

AFS, ASM, AFL

Description

Anti-fatigue ESD matting can help to reduce the health dangers of standing for long periods of time at work; especially on hard, cold floors. Anti-fatigue matting can help to increase blood flow and improve circulation. In the absence of appropriate flooring, prolonged standing can lead to musculoskeletal disorders such as pain in the lower back, legs, feet, and joints, etc. As well as providing comfort underfoot to reduce aches and pains from standing at work, anti-fatigue matting can also help to prevent static build-up with its excellent static dissipative properties.

Anti-fatigue ESD matting is made with a PCV foam (polyvinyl chloride), offering good durability and excellent resistance to a wide range of chemicals. The matting comes with a 10mm male stud for grounding the mat to Earth. The matting should be used in conjunction with already grounded flooring for optimum ESD protection. Anti-fatigue matting is commonly used around machinery where static build-up is common. It is not to be used in high voltage areas exceeding 240 volts or to be used with electrical switchboard matting.



Standards & Regulations



RoHS compliant



REACH compliant



CE certified



IEC-61340-5-1 compliant

Key Features

- PCV foam (polyvinyl chloride)
- Pebble surface finish
- Standard colour is grey
- Select from a range of sizes including: 0.6 x 0.9m, 0.9 x 1.5m and 0.9 x 18.3m
- Option to customise the length on request: 0.9x per linear meter
- Durable with excellent resistance to most chemicals
- Improves underfoot comfort
- Grounded via a 10mm male stud fitted to the matting
- Resistance of 1×10^9 ohms to 1×10^{10} ohms
- Reduces health dangers of standing for long periods of time
- Prevents static build-up with its static dissipative properties
- Tested to EN14041 standards



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Technical Specification	Typical Values
Material	Virgin closed cell PVC foam (homogenous).
Surface Finish	Pebble.
Operating Temperature	0-+60°C.
Resistance to Chemicals	PVC is resistant to many different chemicals, alkalis and general industrial chemicals. Resist alcohol, aliphatic hydrocarbons, oils, weak acids, strong mineral acids and alkalis. Resists oil and grease if properly cleaned. Does not resist organic solvents, ketones, esters and aromatic hydrocarbons.
Resistivity	10 ⁹ -10 ¹⁰ ohms per square meter.
Environmental Resistance	Suitable for dry indoor requirements.
UV Resistance	N/A
Typical Applications	Around machinery where static build up is common. Not to be used in high voltage areas exceeding 240 volts or to be used with electrical switchboard matting.
Installation Method	The recommended method to install anti-fatigue matting is to loose lay. Suitable for dry indoor requirements.
Cleaning Method	Brush or mop the top surface.
Flame Retardancy	Conforms to FMVSS302, will not burn after the ignition source is removed. When forced to burn, carbon monoxide, carbon dioxide and hydrogen chloride fumes are emitted.

Part Code	Dimensions
AFS	0.6 x 0.9m
AFM	0.9 x 1.5m
AFL	0.9 x 18.3m
Custom Lengths	0.9x per linear meter



Eliminate Costly Static Damage...

Whether you are experiencing unacceptable levels of damage in transit, need a specific cleanroom solution or simply don't know which ESD safe equipment is best for you, we can help!

Request complimentary, no obligation advice by speaking with one of our technical experts today.

