

Mats for Professional Use

Ergonomic Anti-Fatigue and Safety Matting



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Notrax® Matting Testing & Pictograms

Notrax® Mats for Professional Use are subject to rigorous testing by independent laboratories prior to their introduction to the market.

Our Product Testing Charts show the following relative comparisons between the Notrax® mats featured in each category of this brochure:

Example Product Testing Chart



Wear resistance

Indicates the time it takes for a mat to lose its functionality. This is an accelerated wear test where the results are expressed in total weight loss of material when subjected to 5000 cycles under an abrasion wheel. The higher the pointer in the test chart, the greater its resistance to wear.

Slip resistance

Indicates the slip resistance of a mat. This test measures the force required to cause slippage of a load across the surface material. The coefficient is the ratio of force required divided by the weight. The higher the pointer in the test chart, the greater the coefficient of friction ratio, thus the better the slip resistance of a mat.

Anti-fatigue

Indicates the degree of comfort a mat provides. This test starts by measuring the original thickness of a mat. Then compression is applied and the thickness under this load is measured again. The difference between the two measurements is called deflection. The higher the pointer in the test chart, the better its anti-fatigue properties.



Anti-Fatigue

Matting restores balance, stimulates blood flow and helps reduce stress on the lower back and legs.



Grip Step®

Coating for extra adherence in extremely slippery areas. Slip resistance up to R13 according to DIN 51130.



Heavy Duty

Recommended for heavy duty use in industrial environments.



RedStop™

This uniquely engineered technology virtually eliminates the slipping and sliding of mats.



Anti-Slip

Matting designed to provide added traction through aggressive surface patterns.



Drainage

Open construction allows for liquids and debris to pass through, providing secure footing in a wet or dry environment.



Medium Duty

Recommended for medium duty use in industrial environments.



MicroStop™

Antibacterial treatment inhibits the growth of micro-organisms, bacteria and fungi.



Oil Resistant

Matting suitable for contact with industrial oils.



Protection

Absorbs impact, reduces breakage and protects floors.



Light Duty

Recommended for light duty use in industrial environments.



NFSI®

Tested and certified by the National Floor Safety Institute.



Welding

Made of durable fire retardant rubber compounds. These mats can be used in areas where welding takes place.



Non-Conductive

Matting formulated to provide insulation to protect workers in case of electrical shock.



Modular System

Interlocking mats for on-site customization can be assembled as standalone mats or wall-to-wall.



PAH 3

Category PAH 3 classification tested according to ZEK 01.4-08 for polycyclic aromatic hydrocarbons.



ESD

Matting formulated to absorb static electricity. Avoids unpleasant static shock and safeguards equipment.



Wheeled Access

Matting suitable for wheeled access (i.e. carts).



Cold Resistant

Material can withstand freezing temperatures.



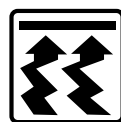
Barefoot

Pleasantly soft and warm under bare feet.



Fire Retardant

Matting designed to resist the spread of fire and withstand heat, substantiated by test certifications from independent laboratories.



Insulation

Matting insulates workers from cold/wet floors, heat, vibrations and noise to improve wellbeing.



Grease and Oil Resistant

Matting that is suitable for use in contact with vegetable oils and animal fats.



Cleaning

Suitable for cleaning with high pressure (hot) water jet.

Notrax® is a portfolio company of Justrite Safety Group.

For over a century, Justrite Safety Group has helped protect where the world works. Our mission is to identify workplace vulnerabilities and guide customers in creating an ecosystem of safety—so your team can work with confidence.

Confidence





Start with the EssentialSM



A Growing Justrite Family

In recent years we have grown, expanding Justrite Safety Group through the acquisition of other strong, valuable companies. Because of these exciting changes, we want to share our story with you—one of an unrivalled safety portfolio, expertise in environmental protection, a global network of brands, and a steadfast dedication to our customers' safety.

Start with the EssentialSM

The essence of our company is captured in a new tagline: Start with the EssentialSM. At Justrite, everything starts with safety. Protecting people, property and the planet is our first and greatest responsibility. We provide the essential safety products you need to protect your workers and workplace.

Our company logo has recently evolved. The new logo honours our heritage in fire safety, while reflecting our expertise in containment and environmental protection.

For more information, please visit www.notrax.eu/about-us.



Justrite Safety Group offers industrial safety solutions and expert advice from our portfolio companies around the world.

We cover every facet of the industrial safety landscape—from the storage, containment and clean-up of hazardous materials to motion safety and emergency showers.

Whatever your needs, we can help you build the foundation of a safe, productive workplace.





R.E.A.C.H.

REACH is the European Community Regulation on chemicals and their safe use (EC 1907/2006). It deals with the Registration, Evaluation, Authorisation and Restriction of Chemical substances. The law entered into force on 1 June 2007 assigns manufacturers the responsibility of providing high level human and environmental protection from the use of chemicals in manufacturing. Notrax® does not use any substances currently included on the SVHC (Substances of Very High Concerns) list under REACH, including Di-octyl phthalate (DOP) plasticizer. Further information about our stand on sustainability can be obtained at www.buynotrax.eu for registered distributors or upon email request to saleseu@justrite.com.

Product Warranty

All Notrax® floor matting is manufactured of the highest quality material and workmanship. Dependability and service of our products are guaranteed against defects in material for one year from date of purchase provided manufacturer's recommended usage and maintenance is followed. Buyer has the responsibility to determine the suitability of the product and assumes any liability in connection with such use. Seller shall not be liable for damages in excess of purchase price of product. In the unlikely event of a Notrax product being faulty, a full refund or replacement (based on manufacturer's discretion) will be made. Warranty claims must be authorized for return and shipped prepaid for inspection and evaluation. For information about floor matting maintenance: www.notrax.eu/news.

Notrax® offers the perfect solution for standing workers because unlike any other industrial safety matting manufacturer, we understand the difference of perceptions of workers as well as the variety of workplace conditions that exist. We therefore design and manufacture the largest range of safety matting to provide the right solution.

Notrax® is often referred to as one of the pioneers in anti-fatigue matting design and manufacturing. This is not surprising because since our founding in 1948, we have been committed to making quality products and optimizing processes.

Product Innovation

As one of the market leaders in anti-fatigue and safety matting, Notrax® Mats for Professional Use has become synonymous with quality, flexibility and customer service. What started as a small family-owned mat repair company has quickly grown to a global company. Now, as part of the Justrite Safety Group, we excel in the design and manufacturing of anti-fatigue and safety matting for industrial and commercial applications.

As the industry and manufacturing processes evolve, so do our matting products. We are constantly developing new products to meet the changing needs of the industry. We focus on customer problems and working together with them to create matting solutions that resolve the issue. Our innovations team continues to design state-of-the-art products through intense research and development using new technologies, new design techniques and new ideas.

Notrax® products are sold globally through our trusted distributor network of matting experts, operating in niche segments of ergonomics, cleaning and hygiene, health and safety, industrial supplies, installation experts, and many more. Understanding and responding to the markets specific needs reflects our interest and pleasure in serving our distributors and their customers. Examples of this include the development of mass customization capabilities and online integration with customers. As one of the world's largest integrated manufacturers of professional floor matting products, our belief in strong relationships is the foundation of our business.

With facilities in Europe and the United States, we constantly seek to reduce the environmental impact of our processes. It means that we aim to grow our business in an environmentally responsible manner, and we do this by focusing on diminishing waste, using recycled materials where possible, and by obtaining more materials from sustainable sources.

The "Lean" organization of our operations not only enables us to stay competitive and provide fast service, it also enables our customers to participate in a joint effort to reduce the carbon footprint simply by making use of our electronic purchasing and invoicing services and drop shipment capabilities.



Founded in 1948 by Charles J. Wood (far right).

This catalogue highlights the solutions Notrax® offers for your ergonomic anti-fatigue and safety matting applications. Feel free to also ask for the latest Notrax® brochure for Dust Control Matting for entrance ways.

Thank you for choosing Notrax®.

René Vieveen
Managing Director

Justrite Safety Group EMEA BV



Benefits of Anti-Fatigue Matting

In many industries, employees are required to work while standing, walking and/or carrying loads. Experts agree that matting can significantly improve productivity and employee satisfaction while reducing absenteeism and chronic illnesses related to long-term standing.

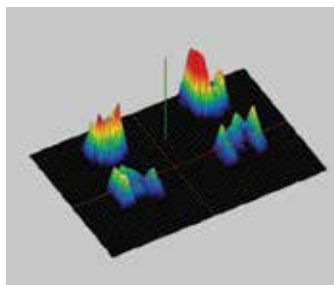


How Anti-Fatigue Matting Works

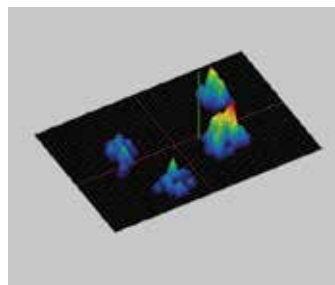
Standing on hard surfaces for long periods causes muscles to constrict, which reduces the blood flow. This makes muscles and joints hurt, and it causes blood to stagnate. Long-term standing causes pronation, or excessive flattening of the foot and can also lead to plantar fasciitis. Lower back pain is highest in workers who stand 4 hours or more per day.

How an anti-fatigue mat works is well described in an article that was published in the April 1999 issue of "Occupational Health & Safety", written by James M. Kendrick: "Anti-fatigue mats are engineered to make the body naturally and imperceptibly sway, which encourages subtle movement by calf and leg muscles. This promotes blood flow and keeps it from stagnating in the veins, which causes workers to feel fatigued."

As noted by Mr. Kendrick, the cushioning effect of anti-fatigue matting allows continuous micro-movements of the feet, which minimizes blood pooling in



With a mat



Without a mat

the legs. There is good reason to believe that reduction of fatigue also reduces the possibility of accidents and improves general work efficiency.

There are fewer days lost to injuries, fewer medical claims, and compliance with new health and safety requirements.

Too much cushioning can have a negative effect. Too much of softness or "give" will actually cause excessive fatigue because it overworks the muscles. Think of it like jogging in soft sand. Notrax® floor mats are made of specific formulations and designs for the right balance of cushioning and support fatigue relief which will contribute to increased productivity and employee satisfaction.

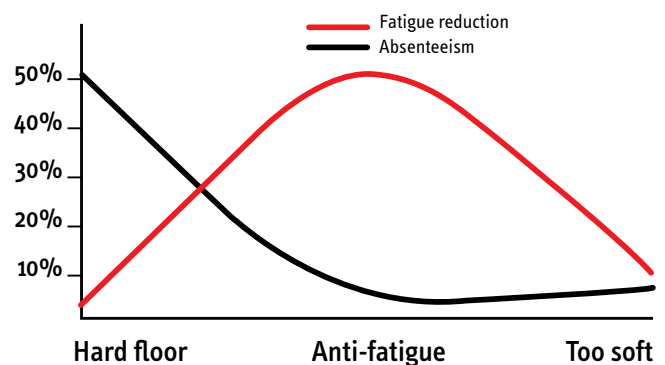
Scientific Support

Early studies such as Morgora (1972) showed that the incidence of lower back pain was highest in those workers who stood regularly for periods of more than four hours and Bousseman et al. (1982) brought to light that long term standing is a direct cause of pain and discomfort.

Subsequent research carried out by Dr. Mark Redfern and Dr. Don Chaffin at the Centre for Ergonomics, University of Michigan in 1988, and Paula Hinnen and Stephan Konz at the Department of Industrial Engineering, Kansas State University, 1994, made observations of the difference between standing on hard floors versus standing on soft floors. Both their studies concluded that mats significantly affect fatigue and comfort in different body regions.

More recent studies by Prof. Dr. Redha Taiar (2011, 2015, 2017) at the University of Reims in France illustrated how human mechanics in a working environment are impacted through the use of anti-fatigue mats. By observing workers' posture and measuring foot pressure for employees standing

The effects of standing on anti-fatigue matting versus hard or too soft floors



for long periods, Prof. Taiar was able to identify two causes of fatigue and therefore a two-pronged approach in combating the muscular-skeletal disorders associated with long-term standing.

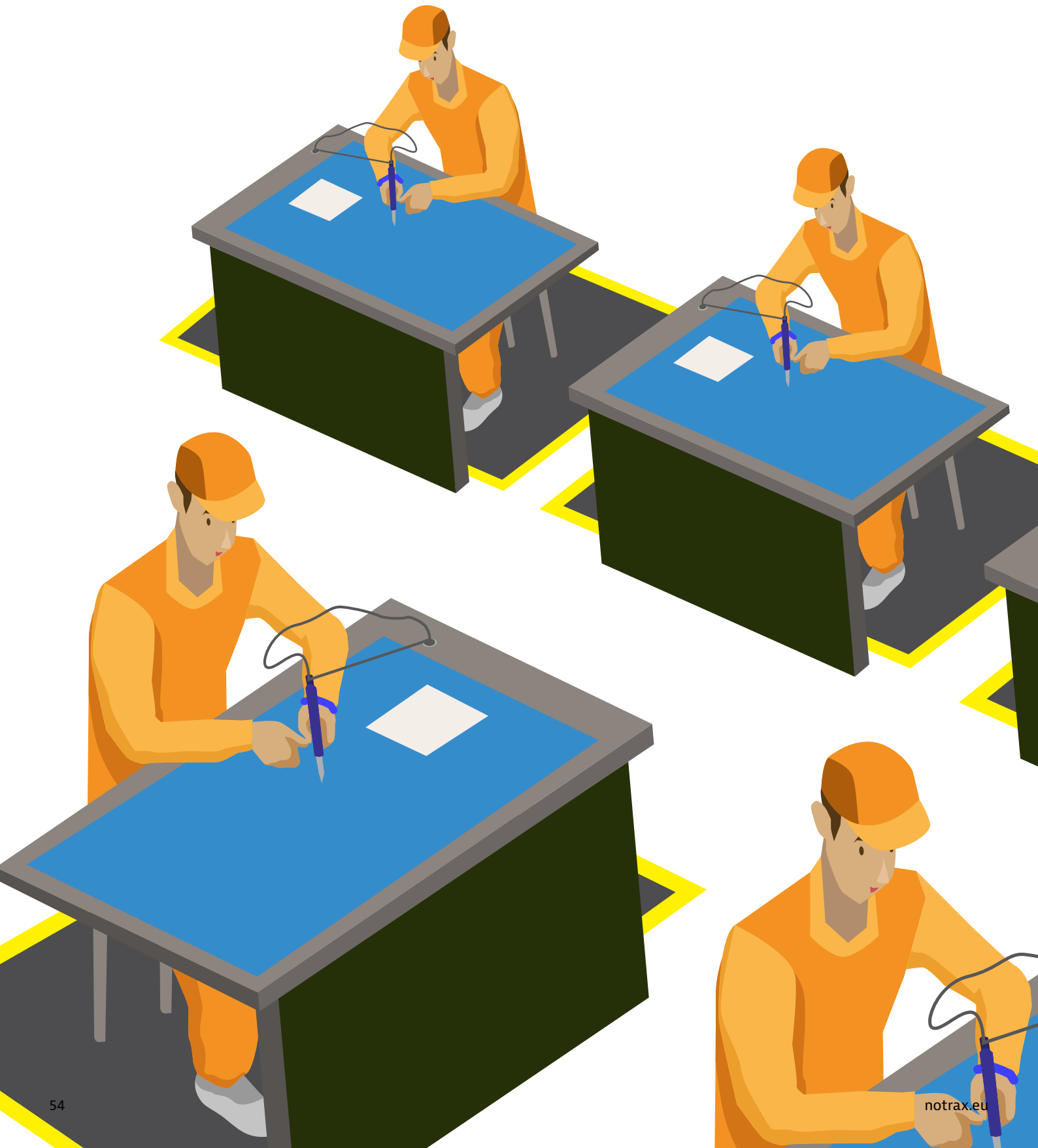
Firstly, the worker should vary foot pressure while standing to eliminate the overuse of the same muscles (Cinderella Fibers). Secondly, using an anti-fatigue mat eliminates pressure points from the floor and spreads weight evenly to correct balance. Prof. Taiar's findings confirmed that pains are substantially reduced with the use of anti-fatigue mats compared to the initial situation without mats.

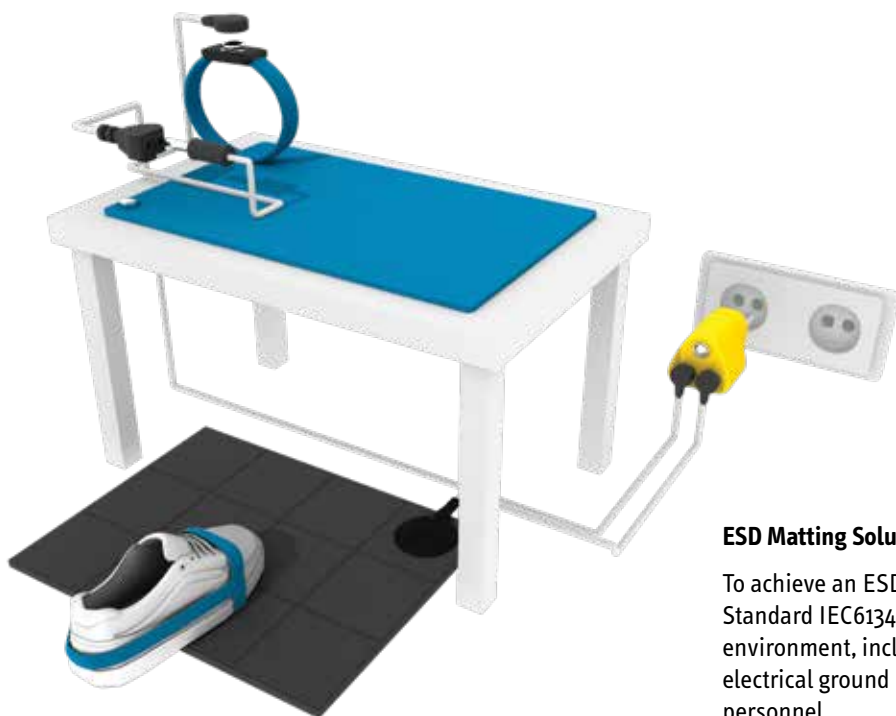
To request a copy of Prof. Taiar's research, Standing Smart, visit www.notrax.eu.

Electro-Static Discharge (ESD) Solutions

There is a growing demand for anti-static solutions in industrial and commercial environments. In many facilities, people are one of the prime generators of static electricity. The simple act of walking around can

generate several thousand volts on the human body, especially in the winter when air becomes drier. If not controlled, static build up can cause static shock to employees and unseen damage to electronic components.





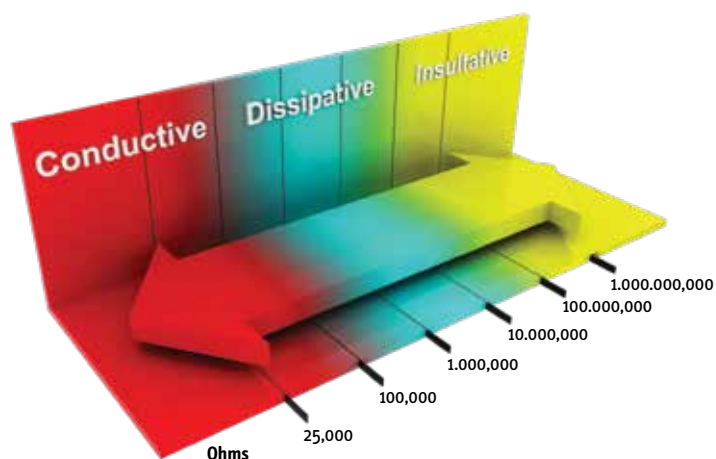
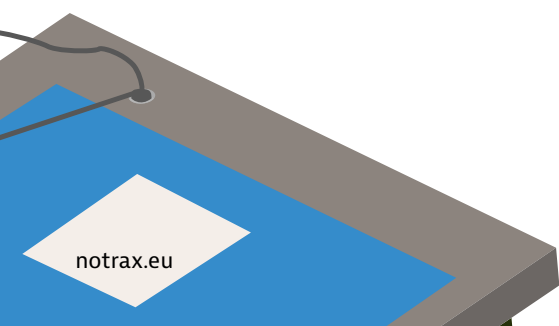
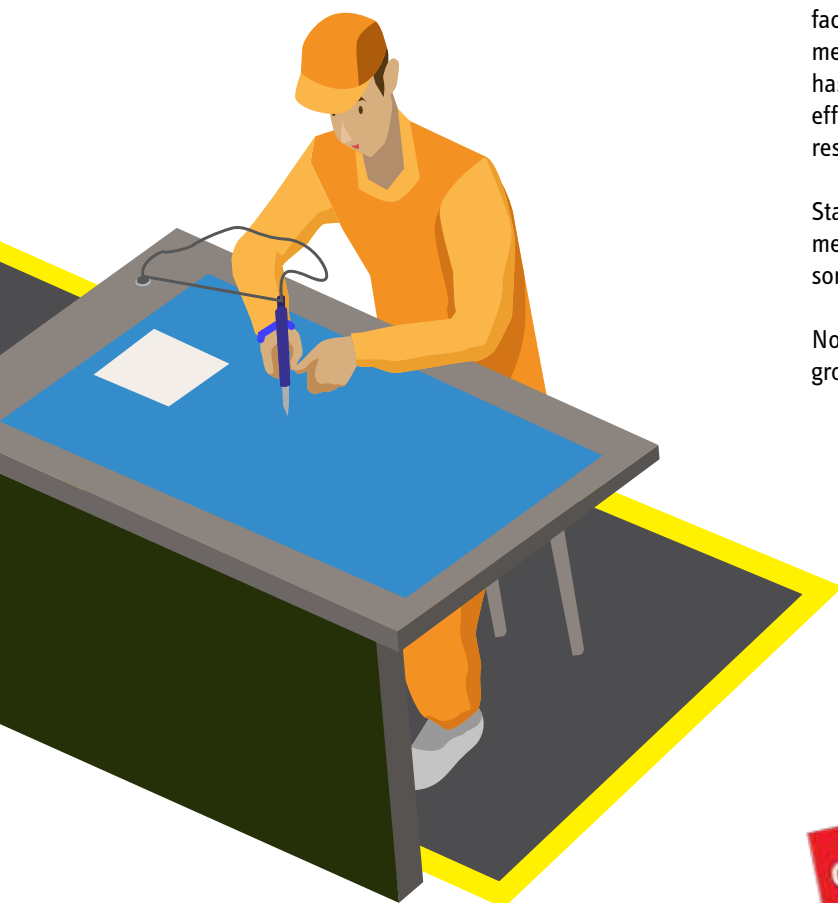
ESD Matting Solutions

To achieve an ESD protective work area while complying with Standard IEC61340-5-1 or ANSI EOS/ESD 6.1, all conductors in the environment, including personnel, must be grounded to the same electrical ground point, creating a balance between all items and personnel.

There are a number of ESD products to help reduce or eliminate static build-up from furniture, gear, and footwear to flooring. Many facility managers view static-dissipative flooring as the most-effective means to prevent ESD from becoming a problem. ESD rubber flooring has even been cited by MIT Lincoln Laboratories as having the most effective static protection for any application and the only static resistant product that works regardless of footwear.

Static dissipative matting has an electrical resistance range of $10^6 - 10^9$ measured in Ohms. Charges will flow to ground more slowly and in a somewhat more controlled manner than with conductive materials.

Notrax® also offers a full range of ESD accessories including grounding cords, wrist bands, heel grounders and ESD mat cleaner.



Dry Areas - Static Dissipative Mats

ESD Protective Mats

Static dissipative anti-fatigue mats protect against static shocks while providing comfort for standing workers. Bevelled edges on all four sides to minimize risk of tripping.

Meets IEC61340-4-1 (category D1F), measured resistance $R_g 10^6 - 10^9 \Omega$, $R_p 10^6 - 10^9 \Omega$. Electrostatic charge (walking test), meets ISO6356 and EN1815. Compatible with ESD Accessories on page 60/61.



826 Diamond Stat™

Ergonomic benefit derived from a 14-mm thick worker platform. A static dissipative combination of a tough top surface laminated onto a comfortable sponge base for maximum durability coupled with fatigue relief. Equipped with a 10-mm female socket attached to the mat and grounding cord. Diamond deck plate surface provides traction and allows easy twist turns. Featured with RedStop™ slip resistant backing to prevent mats from shifting. UniFusion™ technology, engineered to resist in the harshest work environments.

Specifications:

- 4.7 mm static dissipative PVC top surface permanently bonded onto a 9.3 mm resilient backing of microcellular vinyl
- Overall thickness: 14 mm
- Weight: 6.5 kg per m²
- Fire classification Cfl-S1 tested according to EN 13501

Recommended uses:

- Heavy duty - dry industrial environments

Stock sizes:

- 91 cm x 150 cm
- 91 cm x 3 m

Full rolls 22.8 m:

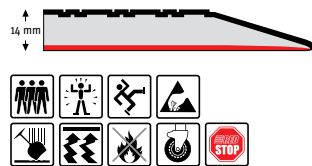
- 91 cm x 22.8 m
- 122 cm x 22.8 m

Colours:

- Black

Custom lengths:

- 91 cm per linear meter
- 122 cm per linear meter



825 Cushion Stat™

Basic comfort derived from 9.4 mm thick worker platform of a static dissipative vinyl sponge that reduces fatigue and static build-up. Pebble pattern provides non-directional traction and is easy to clean. Optional 10 mm female socket attached to the mat for connection with optional grounding cord.

Specifications:

- Static dissipative vinyl sponge
- Overall thickness: 9.4 mm
- Weight: 3 kg per m²

Recommended uses:

- Light duty - dry areas

Colours:

- Black/yellow, Black, Grey

Stock sizes:

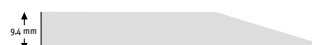
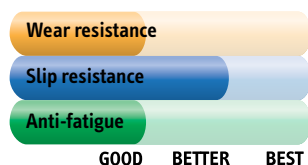
- 91 cm x 150 cm

Full rolls 18.3 m:

- 91 cm x 18.3 m

Custom lengths:

- 91 cm per linear meter

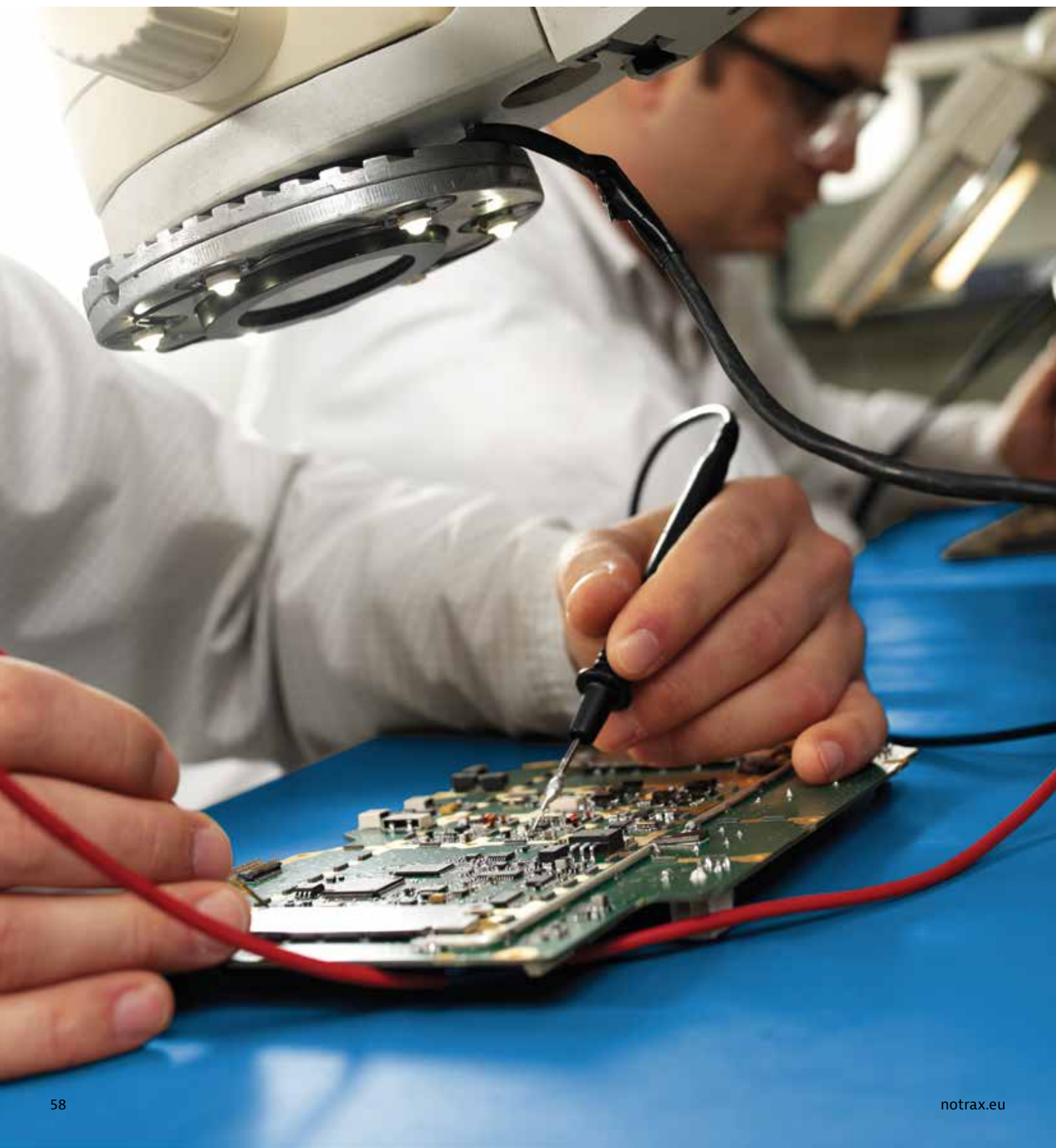


Dry Areas - Static Dissipative Table Mats & Accessories

ESD Protection from A to Z

Specialized line of ESD accessories to ensure a static free workplace and protect employees and sensitive electrical equipment. Use these accessories to connect table work surface, employees and conductive material to a common grounding point.

This creates a balance between all items and personnel to ensure static electricity will flow to ground in a controlled manner. For use in ESD working zones to protect electrostatic sensitive components.



828 High Tech POP™ 3 Layer

Tri-layer static dissipative vinyl foam creates a thick and comfortable work surface for employees while protecting sensitive equipment from damaging static shocks. Thick construction has a conductive center for extremely stable load dissipation. Smooth top surface that is abrasion resistant and easy to wipe clean with recommended art. 057 Mat Cleaner. Optional grounding cord.

Specifications:

- Microcellular vinyl foam treated with dissipative static properties
- Overall thickness: 9.5 mm
- Weight: 3.75 kg per m²
- Meets EOS/ESD-S4, measured resistance Rg 10⁷ Ω and Rp 10⁸ Ω
- Electrostatic charge (walking test), meets ISO6356 and EN1815

Colours:

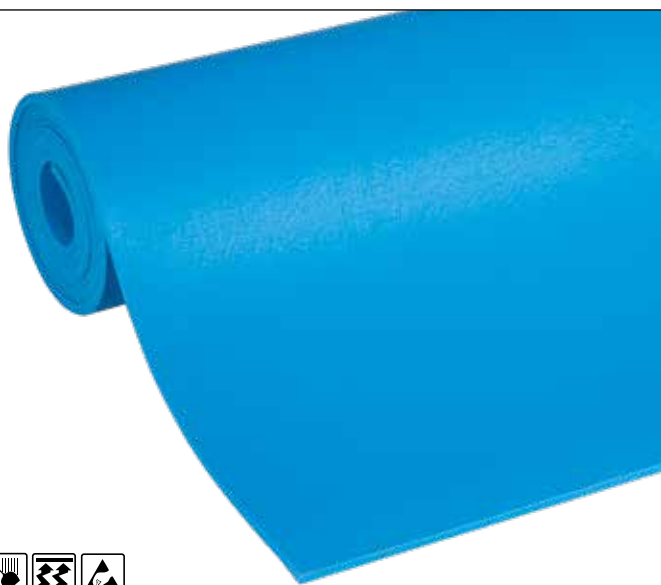
- Blue

Custom lengths 18.3 m:

- 60 cm per linear meter
- 76 cm per linear meter
- 91 cm per linear meter

Stock sizes:

- 60 cm x 18.3 m
- 76 cm x 18.3 m
- 91 cm x 18.3 m



829 Anti-Stat POP™ 3 Layer

Static dissipative vinyl runner with tri-layer construction and a conductive center for extremely stable load dissipation. Protects sensitive components from damaging static shocks. Smooth top surface that is abrasion resistant and easy to wipe clean with recommended art. 057 Mat Cleaner. Optional grounding cord.

Specifications:

- Microcellular vinyl foam treated with dissipative static properties
- Overall thickness: 2.4 mm
- Weight: 3 kg per m²
- Meets EOS/ESD-S4, measured resistance Rg 10⁷ Ω and Rp 10⁸ Ω
- Electrostatic charge (walking test), meets ISO6356 and EN1815

Colours:

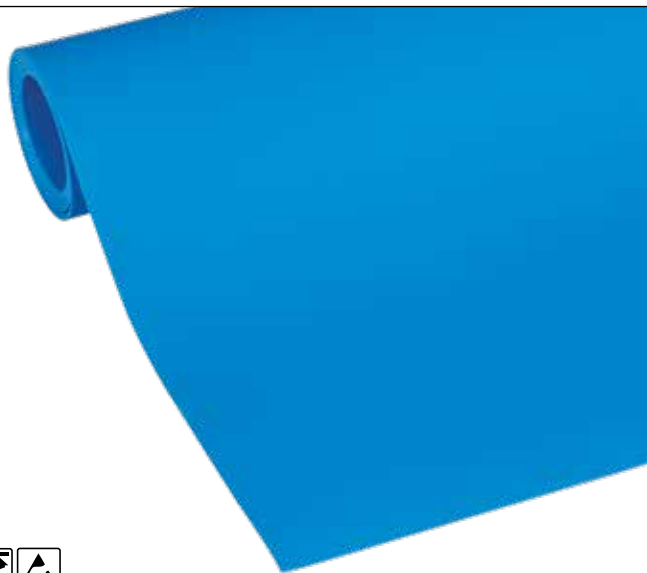
- Blue, grey

Custom lengths 15.2 m:

- 60 cm per linear meter
- 76 cm per linear meter
- 91 cm per linear meter

Stock sizes:

- 60 cm x 15.2 m
- 76 cm x 15.2 m
- 91 cm x 15.2 m



827 Anti-Stat POP™

Single-layer static dissipative vinyl work surface to slowly remove static charges from conductive items placed on it. Smooth top surface that is abrasion resistant and easy to wipe clean with recommended art. 057 Mat Cleaner. Optional grounding cord.

Specifications:

- Microcellular vinyl foam treated with dissipative static properties
- Overall thickness: 6.4 mm
- Weight: 3 kg per m²
- Meets EOS/ESD-S4, measured resistance Rg 10⁷ Ω and Rp 10⁸ Ω
- Electrostatic charge (walking test), meets ISO6356 and EN1815

Colours:

- Blue

Custom lengths 12.2 m:

- 60 cm per linear meter
- 76 cm per linear meter
- 91 cm per linear meter

Stock sizes:

- 60 cm x 12.2 m
- 76 cm x 12.2 m
- 91 cm x 12.2 m



Dry Areas - Static Dissipative Table Mats & Accessories

ESD Protection from A to Z

Specialized line of ESD accessories to ensure a static free workplace and protect employees and sensitive electrical equipment. Use these accessories to connect table work surface, employees and conductive material to a common grounding point.

This creates a balance between all items and personnel to ensure static electricity will flow to ground in a controlled manner. For use in ESD working zones to protect electrostatic sensitive components.



Ring terminal Art. 051SFG0100

Female socket Art. 051SFG0200



Ring terminal Art. 052SCG0100



Female socket Art. 052SCG0200



051 Floor Mat Grounding Cord

- 4.5m cable and connector that connects a mat to ground
- Easy to install, simply snap it to a mat and connect terminal to ground
- The low profile bevelled cap prevents the cord from being accidentally removed from the mat
- Resistor 1 Meg mat to ground
- Available with a ring terminal or 10 mm female socket

052 Common Grounding Point Cord

- 4.5m cable connects wrist bands or bench mat to ground
- Assures that all parts are at the same ground potential
- Easy to install, simply snap it to a mat, plug in the wrist strap coil cord and connect terminal to ground
- Resistor 1 Meg mat to ground
- Available with a ring terminal or 10 mm female socket

053 Coil Cord

- 1.8m cable connects wristband to common ground point on table mat
- 1 Meg resistor, 10 mm socket snaps to wristband, and the other end is a banana plug

754 Rib 'n' Roll™ ESD 3mm fine rib

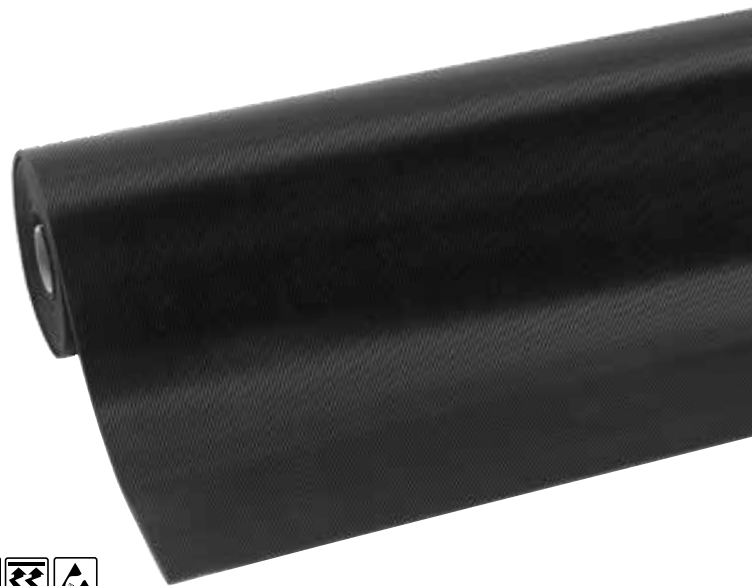
Static dissipative runner that slowly discharges static for lining workbenches, shelves, racks and carts during storage and handling of static sensitive components and parts. Protects sensitive components from damaging static shocks. Fine ribbed top surface that is abrasion resistant and easy to wipe clean with recommended art. 057 Mat Cleaner. Resistance standards for static dissipative are specific to the industry, environment, humidity and footwear.

Product Features:

- Static dissipative natural rubber
- Overall thickness: 3 mm
- Weight: 3 kg per m²
- Meets EOS/ESD-S4, measured resistance Rg 10⁷ Ω and Rp 10⁸ Ω
- Electrostatic charge (walking test), meets ISO6356 and EN1815

Stock sizes:

- 120 cm x 150 cm



743 Conductive Runner™

Conductive runner for rapid removal of static charges for walkways, lining workbenches, shelves, carts during storage and handling of static sensitive components and parts. Pebble top surface is non-directional, abrasion resistant and easy to wipe clean with recommended art. 057 Mat Cleaner. Resistance standards for conductive are specific to the industry, environment, humidity and footwear.

Product Features:

- Static dissipative vinyl foam
- Overall thickness: 3.8 mm
- Weight: 3 kg per m²
- Meets EOS/ESD-S4, measured resistance Rg 10⁷ Ω and Rp 10⁸ Ω
- Electrostatic charge (walking test), meets ISO6356 and EN1815

Stock sizes:

- 91 cm x 18.3 m

Custom lengths 18.3 m:

- 91 cm per linear meter



Continental Version
Art. 054SEB0100

UK Version
Art. 054SEB0200

054 Earth Bonding Plug

- Connects grounding cords to ground
- 1 Meg Resistor, 3 x 10 mm male studs, allowing multiple cord connections per plug
- Available in Continental or U.K. version



055 Heel Grounder

- A device for connecting a walking or standing person to ground by using a conductive rubber thread to provide the necessary electrical contact between the person and the floor mat



056 Wrist Band

- Wrist Bands connect a worker's skin to ground and are therefore the primary means of controlling static charge on personnel. When properly worn and connected to ground, static charges are safely dissipated from the person



057 Mat Cleaner

- Mat cleaner is recommended for static safe table and floor mats. Its non-abrasive formula leaves no film and is designed to enhance the static dissipative properties of ESD safe surfaces. Effectively removes flux residues, oil, finger marks and dirt.
- Convenient 750 ml bottle trigger spray