

*Mats for Professional Use*

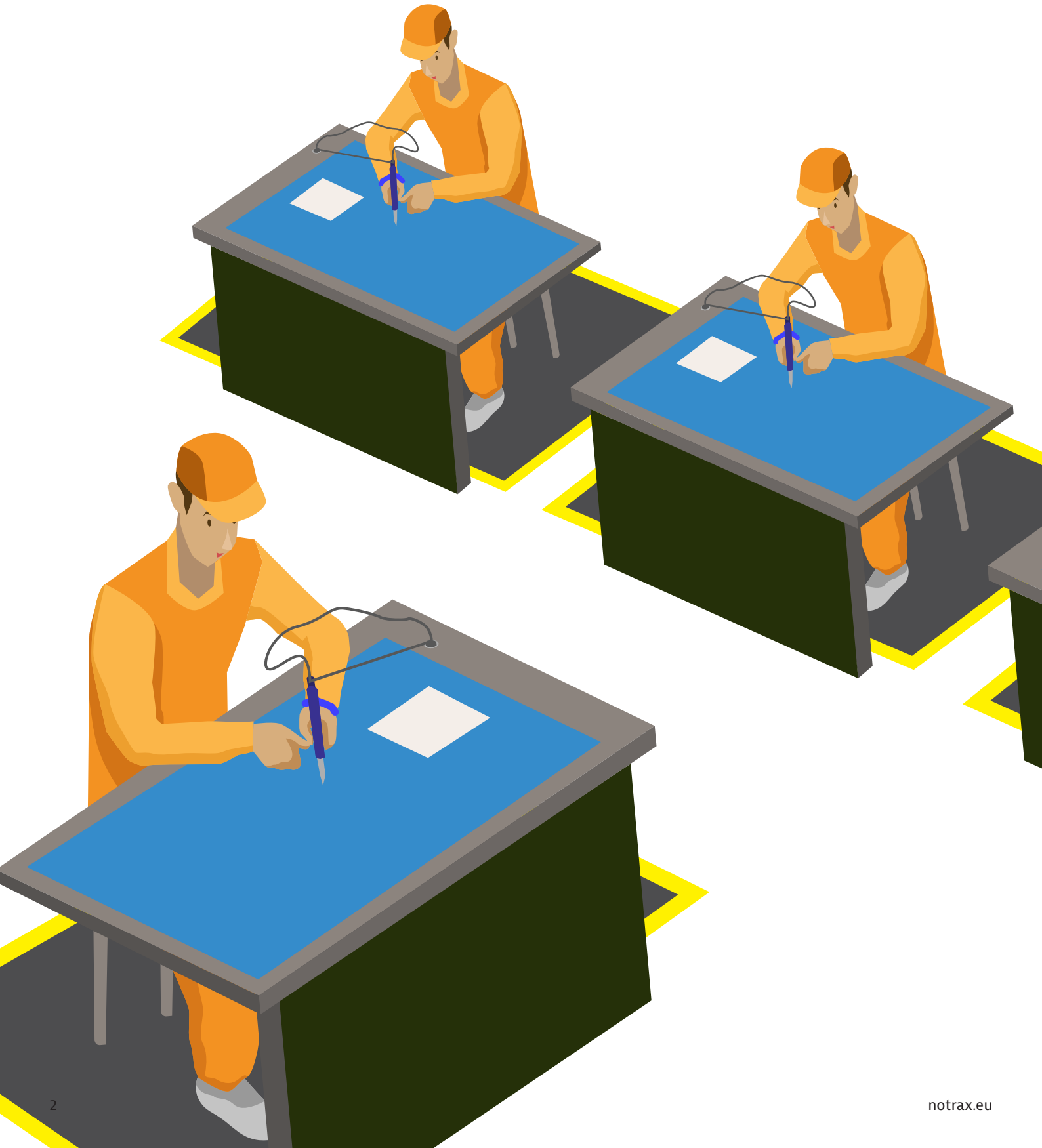
## Electrostatic Discharge (ESD) Solutions



# 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.





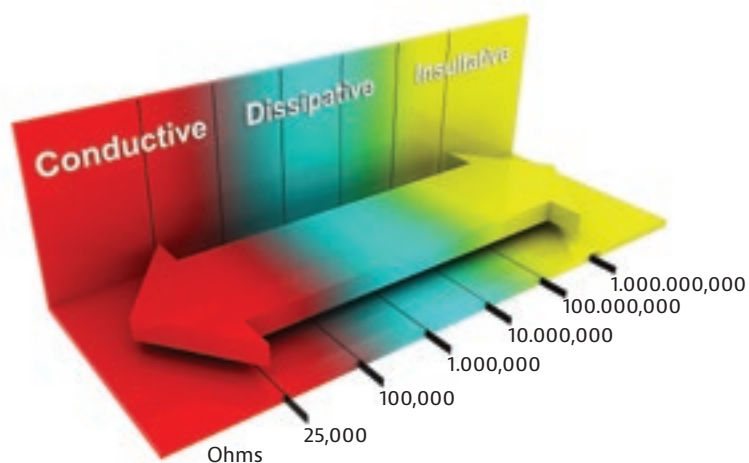
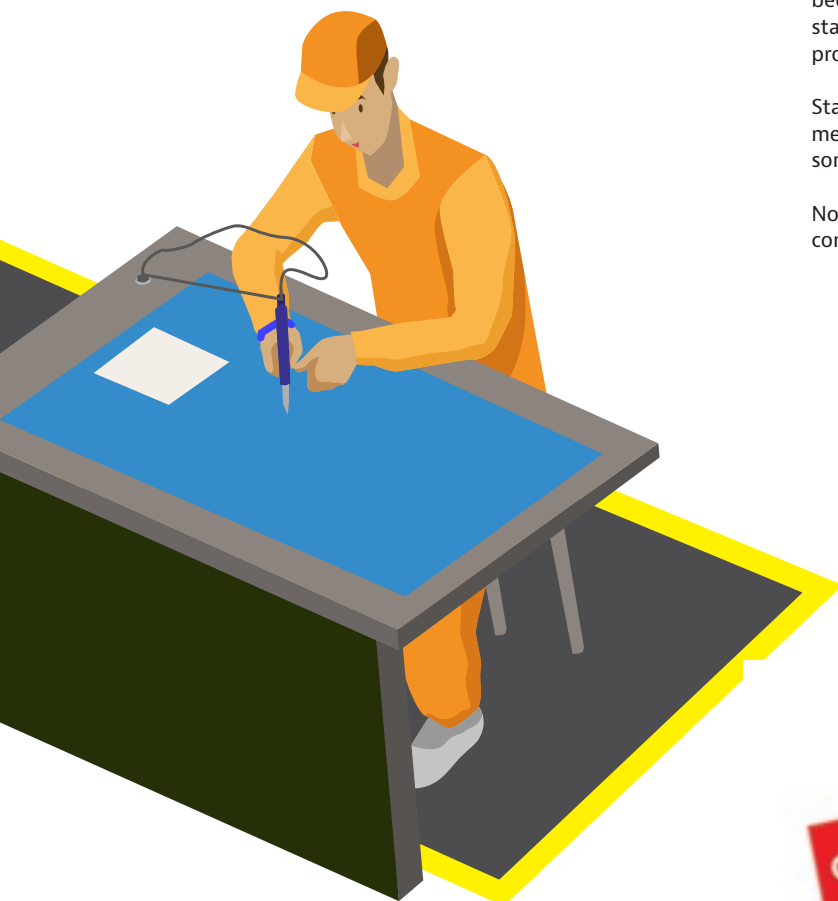
### ESD Matting Solutions

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  $R_g$  106 - 109  $\Omega$ ,  $R_p$  106 - 109  $\Omega$ . 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 m<sup>2</sup>
- 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

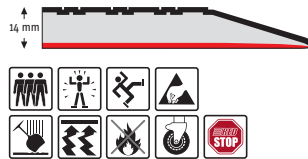
### Performance:

Good Better Best

Wear resistance

Slip resistance

Anti-fatigue



## 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 m<sup>2</sup>

### Recommended uses:

- Light duty - dry areas

### Colours:

- Black/yellow, Black, Grey

### Full rolls 18.3 m:

- 91 cm x 18.3 m

### Stock sizes:

- 91 cm x 150 cm

### Custom lengths:

- 91 cm per linear meter

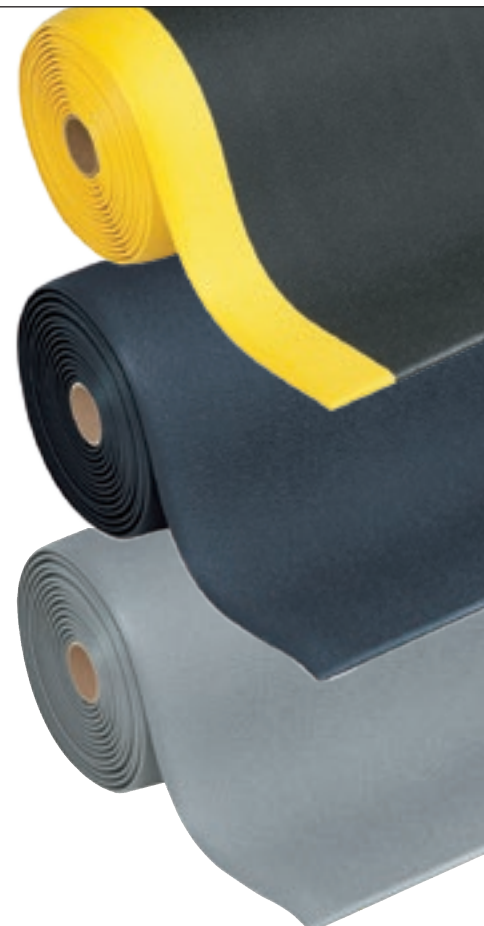
### Performance:

Good Better Best

Wear resistance

Slip resistance

Anti-fatigue



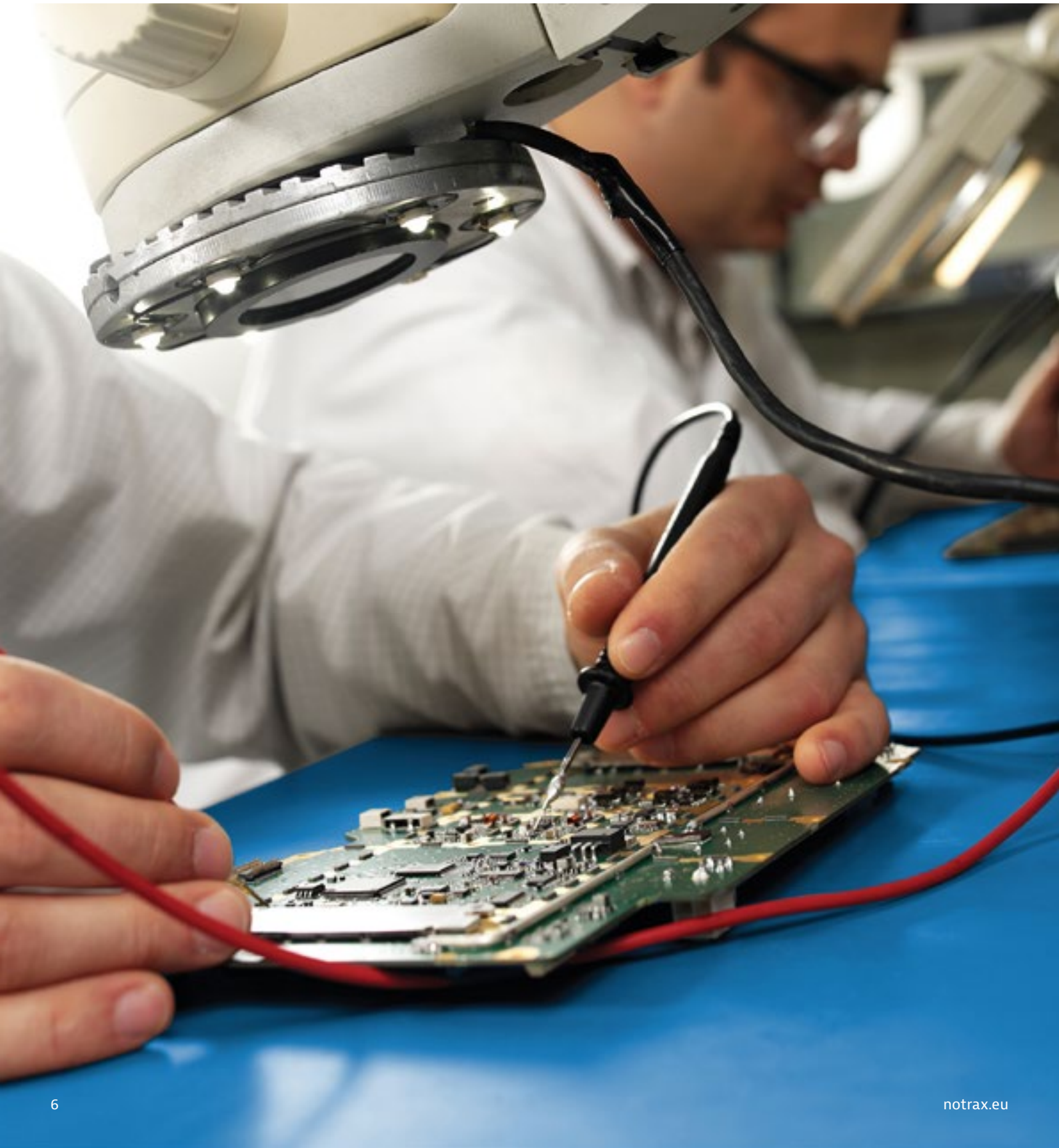


## Dry Areas - Static Dissipative Table Mats & Accessories

### 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 m<sup>2</sup>
- 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 m<sup>2</sup>
- Meets EOS/ESD-S4, measured resistance Rg 107 Ω and Rp 108 Ω
- Electrostatic charge (walking test), meets ISO6356 and EN1815

### Colours:

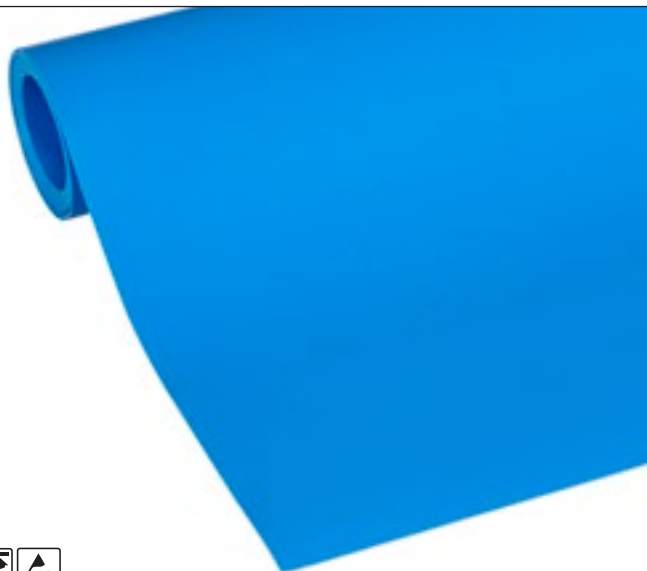
- Blue, grey

### 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 m<sup>2</sup>
- 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.



### 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

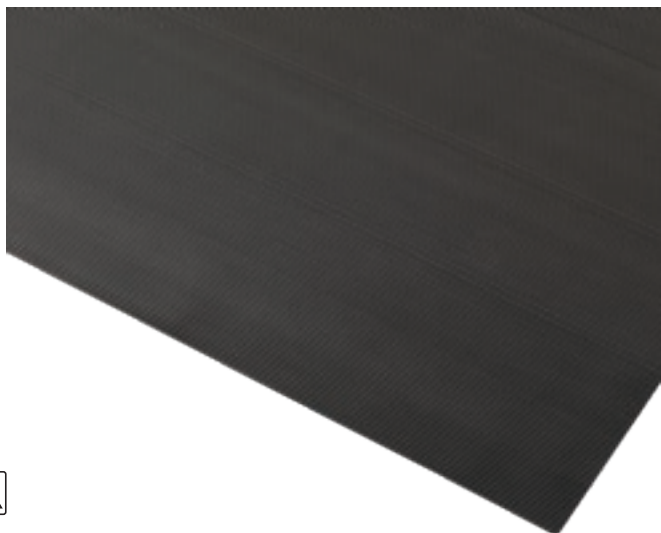
Static dissipative runner that slowly discharges static for lining workbenches, shelves, racks and carts during storage and handling of static sensitive components and parts. Protects sensitive components from damaging static shocks. Fine ribbed top surface that is abrasion resistant and easy to wipe 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 m<sup>2</sup>
- 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 m<sup>2</sup>
- 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

# Dry Areas - Static Dissipative Mats

## ESD Protective Mats

Working environments and conditions vary for different companies and industries. Notrax has created several modular, linear and standalone anti-fatigue matting series that are completely customizable to create an ESD

protective work area while complying with Standard IEC61340-5-1 or ANSI EOS/ESD 6.1. Compatible with ESD Accessories on page 60/61.



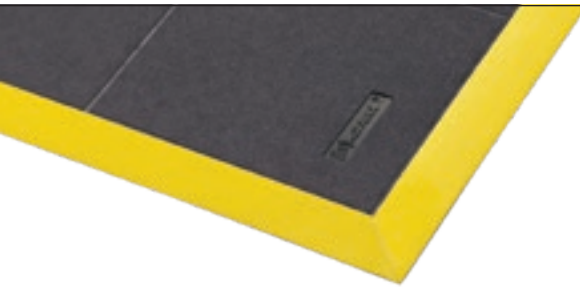
### 548 Diamond Flex™ ESD

- Static dissipative natural rubber compound for general purpose applications
- Overall thickness 18.4 mm

Page 25



Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			



### 558 Cushion Ease Solid™ ESD

- Static dissipative natural rubber compound for general purpose applications
- Overall thickness: 19 mm

Page 27



Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			



### 661 Cushion Ease Solid™ ESD Nitrile FR

- Static dissipative 100% nitrile rubber compound resistant to oil
- Overall thickness: 19 mm
- Fire classification Bfl-S1 tested according to EN 13501

Page 27



Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			



### 463 Skywalker HD™ ESD

- Static dissipative natural rubber compound for general purpose applications
- Overall thickness: 13 mm

Page 31



Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			



### 464 Skywalker HD™ ESD Nitrile FR

- Static dissipative 100% nitrile rubber compound resistant to oil
- Overall thickness: 13 mm
- Fire classification Bfl-S1 tested according to EN 13501

Page 31



Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			

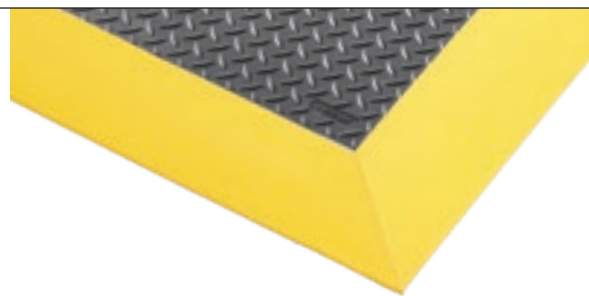


### 573 De-Flex™ ESD

- Static dissipative natural rubber compound for general purpose applications
- Overall thickness: 19 mm

Page 29

Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			

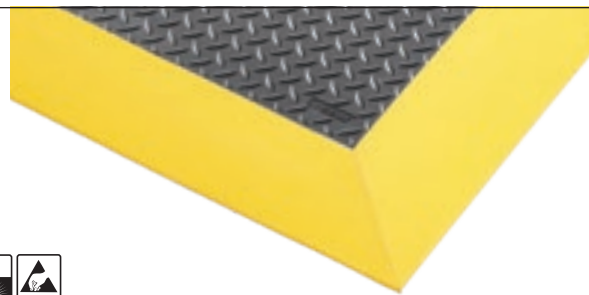


### 574 De-Flex™ ESD Nitrile FR

- Static dissipative 100% nitrile rubber compound resistant to oil
- Overall thickness: 19 mm
- Fire classification Bfl-S1 tested according to EN 13501

Page 29

Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			



### 457 Skystep™ ESD

- Static dissipative natural rubber compound for general purpose applications
- Overall thickness: 13 mm

Page 39

Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			



### 452 Skywalker® PUR ESD

- Static dissipative polyurethane foam for general purpose applications
- Overall thickness: 14 mm

Page 37

Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			



### 453 Skywalker® II PUR ESD

- Static dissipative polyurethane foam for general purpose applications
- Overall thickness: 14 mm

Page 37

Performance:	Good	Better	Best
Wear resistance			
Slip resistance			
Anti-fatigue			





Justrite Safety Group



Since its humble beginnings as a small family-owned company in 1948, our commitment has been to make quality products and to continue looking for innovative ways of serving our customers. Notrax® operates manufacture facilities in Mississippi and Illinois in the United States and Barendrecht in The Netherlands. 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.

#### **Ergonomic, Anti-fatigue & Safety Matting**

- Anti-fatigue matting
- Anti-slip mats
- Welding mats
- Electrostatic discharge mats
- Food processing and food service mats
- Hygienic mats

#### **Industrial Specialties**

- Switchboard matting
- Mats with sorbents
- Rubber runners and liners

*To learn more about our full portfolio of products, please visit **[notrax.eu](https://notrax.eu)***