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Your job. Your standards.

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electronic / pharmacy / laboratories



## Why the wrong footwear leads to incapacity to work

According to the RKI, every employee in Germany is on sick leave for an average of about 18 days per year. Around a quarter, are due to musculoskeletal disorders and incorrect footwear at the workplace. It is estimated that an employee's inability to work can cost companies up to 600 € per day.

## Electrostatic Discharge

Electrostatic discharge, or ESD for short, refers to the equalization of large potential differences, which causes high voltage pulses. Under certain circumstances, this voltage pulse can damage or even destroy components.

We are continuously expanding our range of ESD shoes and are continuously dealing with the following situations:



What actually happens during the production of highly sensitive components?



Which static charges of the employees are still present despite extensively taken ESD measures?



Monitoring of employees at the workplace, measured in volts.



All our ESD models and shoes meet the highest dissipation values and the electrical resistance ESD is < 35 MOhm.

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In the **Electrostatic Protected Area (EPA)**, the highest value must be placed on effective personal grounding (shoe-floor system) by equipping employees with suitable ESD footwear, which protects sensitive electronic assemblies by continuously conducting voltages away from the original wrist strap. The overall basis is DIN EN 61340-5-1, and our ESD footwear is of course certified to climate class 1 in accordance with DIN EN IEC 61340-4-3:2018. That's why significant reductions of possible sources of danger are achieved, especially in the current problems of the supply chain for the procurement of microprocessors and additionally hidden costs in the production processes. In addition, our EPA solution supports the use in sensitive production facilities to define an individual analysis to find a solution.

## The right solution for every ESD industry



### Electronics / Semiconductor

- ESD-compliant according to DIN EN 61340
- Cushioning
- High wearing comfort
- SRC slip resistance
- High breathability



### Pharmacy

- ESD-compliant according to DIN EN 61340
- Particle-free
- High wearing comfort
- High breathability
- SRC slip resistance
- Cushioning



### Laboratories

- ESD-compliant according to DIN EN 61340
- High wearing comfort
- SRC slip resistance
- High breathability
- Protection from acids / bases
- Cushioning



**Dynamic**

**Art. 37310** (white)

- Sizes 35-48
- Upper material: smooth leather
- Foldable, adjustable heel strap
- Removable Active Comfort insole (art. 352610)
- Slip-resistant TPU outsole



36774 36773 36776 36772

**uni6**

**Art. 36775**

- size 35-48
- knitted textile
- protection against splash water
- replaceable insole (art. 352510)
- Soft-PU-midsole
- anti-slip TPU outsole



also available as safety shoes



**Easy 2.0**

**Art. 837620** (white)

- Sizes 35-43
- Upper material: microfibre with lacquer coating, making it easy to wipe clean
- Fixed, adjustable heel strap
- Removable insole (Art. 352720)
- Slip-resistant PU/PU outsole



**uni6**

**Art. 31761** (black) **31760** (white)

- size 35-48
- functional leather with honeycomb pattern, steel toe-cap
- replaceable insole (art. 352520)
- water-repellent, scratch-resistant
- anti-slip TPU outsole



also available as occupational shoes



**Anatom**

**Art. 32268** (black)

- Sizes 36-52
- Smooth leather upper
- Inner lining with silver ions
- Scratch-resistant coating in the toe and heel areas
- Reflective strips
- Removable Active Comfort insole (art. 352320)
- Metal-free, puncture-resistant midsole
- Slip-resistant PU outsole



**x-light**

**Art. 7131032** (white) **7131037** (black)

- size 35-48
- smooth leather, steel toe-cap
- instep area with elastic band
- replaceable insole (art. 351620)
- anti-slip PU outsole



also available as occupational shoes



**Cleanroom**

**Art. 3620** (white)

- size 35-47
- microfibre with sewn-on gaiter made of cleanroom textile
- washable at 30° C



**x-light**

**Art. 7131036** (black) **7131031** (white)

- size 35-48
- smooth leather, steel toe-cap
- double velcro fastening
- replaceable insole (art. 351620)
- anti-slip PU outsole



also available as occupational shoes

## procedure to orthopedic insoles

abeba specialist retailers

selection of the shoe model and size for the wearer



shoe wearer

visit to a specialized orthopedic store with selected shoe model



orthopedic specialist store and abeba

coordination of the insole blanks that can be used



orthopedic specialist company

manufacture of orthopedic insoles according to DGUV 112-191 after foot impression



employer of the insole wearer

settlement of total costs with orthopedic specialist company or pension insurance

## Shoe care

### When using the washing machine, you have to

- use a hand wash program to avoid straining the shoes too much.
- remove insoles before washing
- in the case of coloured shoes, remove the laces if they are white to avoid discolouration
- Use a soft detergent. A wool detergent can be used for textile shoes.
- Do not use fabric softener. This can make the upper materials porous and generate unpleasant odours in the shoes.
- Wash shoes, if possible, in a laundry net to provide additional protection from the washing drum.

### For drying, we recommend

Use newspaper to stuff the wet shoes to reduce the drying time.

For drying DO NOT:

1. Use tumble drying, it can seriously damage the shoe.
2. dry in the sun, there is a risk of discoloration, especially with white shoes and outsoles.
3. dry on or under a radiator, high temperatures would damage the shoes.

As the manufacturer, we recommend replacing the insole every 6 months for hygiene and health reasons.

### Pictogram explanations



cushioning effect



heel and foot lift



breathable textile

abeba



**Ihr abeba Fachhändler:**

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