

# TECHNICAL DATA SHEET

**ETHAN Easy ESD S1 No. 719460**


**Sz. 40 - 48**



## LABELLING ACCORDING TO STANDARD

|  |   |
|--|---|
| Standard for safety footwear<br>EN ISO 20345:2022 S1 | Basic requirement for S1:<br><b>A</b> Antistatic shoe - <b>E</b> Energy absorption in the heel - Closed heel area |
| Additional requirements                              | <b>FO FUEL RESISTANCE</b><br><b>SR SLIP RESISTANCE</b> on ceramic tile with glycerine.                            |


## FORM



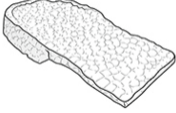


|  |  |
|--|--|
| Safety sandal<br> | Form A - in size 42, the upper height must not exceed 11.2 cm. |
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## AREAS OF APPLICATION

|                      |   |
|----------------------|---|
| Areas of application | <p>Dry work areas<br/>Industry, storage, transport, assembly etc. (S1)</p> <p>Areas where there is a risk of electrostatic discharge (ESDS/ESD)</p> <p>E.g. airports, airplane construction, automobile manufacturing</p> <p>No scratches from metal parts</p> <p>Close to induction loops / metal detectors</p> <p>Workplaces on hard Undergrounds: The revolutionary Infinergy® sole core cushions impacts and provides for a rebound effect when the compressive impulse subsides - for more energy in every step.</p> |
|----------------------|---|

## FEATURES

|               |   |
|---------------|---|
| ESD equipment | <p>Thanks to its excellent discharge capability, the shoe is suitable for work in ESD sensitive or electrostatically protected areas (EPA). The shoes comply to the standard 61340-5-1.</p>  |
|---------------|---|

| <b>FEATURES</b>   |   |   |
|---|---|---|
| Certification in accordance with DGUV rule 112-191  | <ul style="list-style-type: none"> <li>• Certified for orthopaedic inserts</li> </ul>   |    |
| Padded upper edge   | <ul style="list-style-type: none"> <li>• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.</li> </ul>  |   |
| Padded tongue   | <ul style="list-style-type: none"> <li>• Excellent wearing comfort: The tongue prevents pressure marks.</li> </ul>  |   |
| Perforated upper  | <ul style="list-style-type: none"> <li>• The perforation supports an optimum air circulation inside the shoe and thus contributes to a pleasant wearing comfort.</li> </ul>   |   |
| Reflective material   | <ul style="list-style-type: none"> <li>• Good visibility in the dark</li> </ul>   |    |
| Hook-and-pile fastener  | <ul style="list-style-type: none"> <li>• Can be opened and closed easily and quickly</li> <li>• Individually adjustable for optimal adaptation to the foot</li> <li>• Improves the comfort and fit</li> </ul>   |   |
| Sole core made of Infinergy® by BASF<br> | <p>The sole core consists of expanded, thermoplastic polyurethane in the form of oval foam beads. These stick together and are very light and elastic. This revolutionary technology cushions the impact and bounces back extremely well on pressure, so that the energy can be returned to the wearer. Even under low temperatures of -20 °C, the core maintains its high elasticity.</p>  |    |
| No metal or leather   | <ul style="list-style-type: none"> <li>• Low weight</li> <li>• Suitable for work areas sensitive to metal</li> <li>• Does not trigger metal detectors</li> <li>• Use around induction loops is possible</li> <li>• Suitable for persons allergic to leather</li> </ul>  |   |
| Ergonomic Product IGR certification   | <p>The IGR quality seal (Interessengemeinschaft der Rückenschullehrer/-innen e.V. / Association of back specialists) confirms the highly praised features and practical functionality of the tested products. The IGR certification attests the degree of the product's customisability to the physical characteristics of the test person. In accordance with DIN 33419 / EN ISO 15537, the product's usability and ergonomics were tested. Products recommended by IGR e.V. bear the title "Ergonomic Product".</p> |  |
| <b>UPPER MATERIAL</b>   |   |   |
| Microfibre  | <ul style="list-style-type: none"> <li>• Synthetic material</li> <li>• Particularly soft</li> <li>• Retains its shape</li> <li>• Tear-resistant</li> <li>• Quick drying</li> <li>• Abrasion-resistant and light</li> </ul>  |   |
| <b>LINING</b>   |   |   |
| Breathable fabric lining  | <ul style="list-style-type: none"> <li>• Climate-regulating</li> <li>• Good ventilation</li> <li>• Skin-friendly</li> <li>• High absorption and emission of moisture</li> </ul>   |   |

## LINING

### Heel pocket lining

- The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.

## TOE PROTECTION CAP

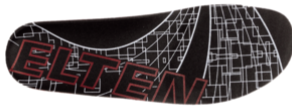
### Composite toe cap



- Protection against impacts of min. 200 joules and pressure loading of min. 15 kN
- Permanent edge coverage for cushioning
- Ergonomically shaped
- Comfortable toe room
- Good coverage of the little toe area
- Low weight - weighs less than conventional steel caps
- 100% metal-free
- 100% anti-magnetic

## INLAY SOLE

### Full-length inlay sole ESD PRO (rec)



- ESD EQUIPMENT: Protection against electrostatic discharge (ESD). The full-length, exchangeable inlay sole is conductive and designed for the use in ESD safety footwear according to the standards DIN EN ISO 20345 and DIN EN 61340-5-1.
- Inlay sole with recycled material content
- The full-length, exchangeable inlay sole provides the highest possible comfort in safety shoes.
- The inlay sole is functionally absorbing and releasing moisture and thus provides for a pleasant foot climate.
- The extreme softness of the PU foam absorbs shocks on impact and increases walking comfort.
- Improvement of the shoe climate thanks to the PU foam's open cell structure. So the foot is always kept comfortably dry.

## INSOLE

### ESD soft-fleece insole with integrated omissions



ESD equipment: Protection against electrostatic discharge (ESD), and without using additional means fulfilling a bridge function to the outsole.

- Integrated omissions supports the cushioning effect
- Approximately 50 % lighter than comparable soles made of natural materials
- Flexible and shape-retaining
- Good air permeability
- Excellent wear resistance
- High moisture absorption
- Quick drying (virtually overnight)

## OUTSOLE

WELLMAXX double-density sole with profile



- Excellent slip resistance
- Antistatic

Outsole: TPU (thermoplastic polyurethane)

- Colour: translucent
- Profile depth: 3.0 mm
- Particularly abrasion-resistant
- Heat-resistant to approx. 130°C
- Flexible at cold temperatures to approx. -30°C
- Oil and fuel resistant

Midsole: PU (polyurethane) with a core made of Infinergy® by BASF

- The soft PU core provides a good impact absorption and high wearing comfort
- The core made of Infinergy® provides a very good cushioning with rebound effect