# TECHNICAL DATA SHEET

## SHARKI blue Low ESD S1 No. 720840 Sz. 36 - 48







## LABELLING ACCORDING TO STANDARD

| | |
|---|---|
| Standard for safety footwear EN ISO 20345 S1 | Basic requirement for S1:<br>**A** Antistatic shoe - **E** Energy absorption in the heel - **FO** Fuel resistance - Closed heel area |
| Additional requirements | **SRC** Slip resistance: Slip resistant on floors of ceramic tiles with a sodium lauryl sulfate (SLS) solution and on steel floors with glycerol. When it comes to slip resistance as defined by EN ISO 20345, SRC signifies the best possible rating a safety shoe can reach.<br><br>**HRO** HEAT RESISTANT OUTSOLE<br>Heat resistance against contact heat, also during short-term high temperatures |

## FORM

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| Safety shoe  | Form A - in size 42, the upper height must not exceed 11.2 cm. |

## AREAS OF APPLICATION

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| Areas of application | Dry work areas<br>Industry, storage, transport, assembly etc. (S1)<br><br>Areas where there is a risk of electrostatic discharge (ESDS/ESD) |

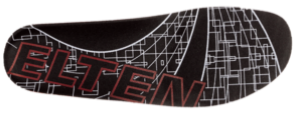
## FEATURES

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| ESD equipment | 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. |
| Sizes (unisex model) | • Expanded size range: available in sizes 36 - 47 |
| Certification in accordance with DGUV rule 112-191 | • Certified for orthopaedic inserts |

| FEATURES | |
|---|---|
| Low weight | • Use of especially light textile materials<br>• Comfortable |
| Low weight sole | • Comfortable |
| Padded upper edge | • Excellent wearing comfort: the padded upper edge protects the Achilles tendon. |
| Padded tongue | • Excellent wearing comfort: The tongue prevents pressure marks. |
| No metal or leather | • Low weight<br>• Suitable for work areas sensitive to metal<br>• Does not trigger metal detectors<br>• Use around induction loops is possible<br>• Suitable for persons allergic to leather |
| Winner Plus X Award | The independent jury for the Plus X Award, the Innovation Prize for Technology, Spot, and Lifestyle, grants a total of seven seals of approval to brands that offer products with a competitive edge in terms of quality and innovation. ELTEN has always seen itself as an innovative business at the cutting edge of technology. |
| **UPPER MATERIAL** | |
| Microfibre | • Synthetic material<br>• Particularly soft<br>• Retains its shape<br>• Tear-resistant<br>• Quick drying<br>• Abrasion-resistant and light |
| **LINING** | |
| Breathable fabric lining | • Climate-regulating<br>• Good ventilation<br>• Skin-friendly<br>• High absorption and emission of moisture |
| 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<br>• Permanent edge coverage for cushioning<br>• Ergonomically shaped<br>• Comfortable toe room<br>• Good coverage of the little toe area<br>• Low weight - weighs less than conventional steel caps<br>• 100% metal-free<br>• 100% anti-magnetic |

## INLAY SOLE

Full-length inlay sole ESD PRO




- 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.
- 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

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

- 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

TRANSFOAMERS double-density sole with profile





- Antistatic
- Excellent slip resistance
- ultralight, very flexible sole

Outsole: Rubber

- Colour: blue
- Profile depth: 2.5 mm
- Particularly abrasion-resistant
- Heat-resistant to approx. 200°C, for short periods to 300°C
- Flexible at cold temperatures to approx. -20°C
- Oil and fuel resistant
- with rubber inserts for better grip
- Excellent damping qualities
- Low material density, thereby lower weight

Midsole: EVA (Ethylene-Vynil-Acetat)/TPU (thermoplastic polyurethane)

- Innovative midsole foam made of EVA and TPU, among other materials, for lightness and durability
- Excellent damping qualities
- Low material density, thereby lower weight