TECHNICAL DATA SHEET

SHARKI red Low ESD S1 No. 720845 Sz. 36 - 48

LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345 S1	Basic requirement for S1: **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. **HRO** HEAT RESISTANT OUTSOLE Heat resistance against contact heat, also during short-term high temperatures

FORM

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

AREAS OF APPLICATION

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

FEATURES

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 • 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 • Suitable for work areas sensitive to metal • Does not trigger metal detectors • Use around induction loops is possible • 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 • Particularly soft • Retains its shape • Tear-resistant • Quick drying • Abrasion-resistant and light
LINING	
Breathable fabric lining	• Climate-regulating • Good ventilation • Skin-friendly • 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 • 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

- 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: red
- 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