

# TECHNICAL DATA SHEET

**SHARKI red Low ESD S1 No. 720845**


**Sz. 36 - 48**



## LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345:2022 S1	Basic requirement for S1: A Antistatic shoe - E Energy absorption in the heel - Closed heel area
Additional requirements	<b>FO FUEL RESISTANCE</b> <b>SR SLIP RESISTANCE</b> on ceramic tile with glycerine. <b>HRO HEAT RESISTANT OUTSOLE</b> 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.
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## 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)
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## 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)	<ul style="list-style-type: none"> <li>Expanded size range: available in sizes 36 - 48</li> </ul>	
Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> <li>Certified for orthopaedic inserts</li> </ul>	

## FEATURES

Low weight	<ul style="list-style-type: none"><li>• Use of especially light textile materials</li><li>• Comfortable</li></ul>
Low weight sole	<ul style="list-style-type: none"><li>• Comfortable</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>
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>

## UPPER MATERIAL

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>
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## LINING

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>
Heel pocket lining	<ul style="list-style-type: none"><li>• The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.</li></ul>

## 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: SCF (Supercritical-Foaming)

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