

TECHNICAL DATA SHEET

MARAIS black-red Low ESD O1 No. 972010


Sz. 36 - 48



LABELLING ACCORDING TO STANDARD

Standard for occupational shoes EN ISO 20347 O1	Basic requirement for O1: A Antistatic shoe - E Energy absorption in the heel - 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 FO FUEL RESISTANCE


FORM

Occupational work 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 Areas where there is no risk of falling heavy objects 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"> Expanded size range: available in sizes 36 - 48

FEATURES

Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> • Certified for orthopaedic inserts 
Low weight	<ul style="list-style-type: none"> • Use of especially light textile materials • Comfortable
Low weight sole	<ul style="list-style-type: none"> • Comfortable
Padded upper edge	<ul style="list-style-type: none"> • Excellent wearing comfort: the padded upper edge protects the Achilles tendon.
Padded tongue	<ul style="list-style-type: none"> • Excellent wearing comfort: The tongue prevents pressure marks.
Leather-free equipment	<ul style="list-style-type: none"> • Suitable for persons allergic to leather
Winner Plus X Award	<p>The independent jury for the Plus X Award, the Innovation Prize for Technology, Sport, 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.</p> 

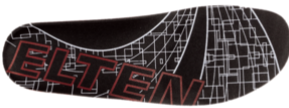
UPPER MATERIAL

Mesh material	<ul style="list-style-type: none"> • Areas of application S1 • Synthetic material • Retains its shape • Tear-resistant • Quick drying • Abrasion-resistant and light
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LINING

Breathable fabric lining	<ul style="list-style-type: none"> • Climate-regulating • Good ventilation • Skin-friendly • High absorption and emission of moisture
Heel pocket lining	<ul style="list-style-type: none"> • The abrasion-resistant microfibre material is particularly sturdy and provides for a pleasant wearing comfort.

INLAY SOLE

<p>Full-length inlay sole ESD PRO</p> 	<ul style="list-style-type: none"> • 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.
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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