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. **FO** FUEL RESISTANCE **HRO** HEAT RESISTANT OUTSOLE Heat resistance against contact heat, also during short-term high temperatures

FORM

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

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)

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 - 48

FEATURES	
Certification in accordance with DGUV rule 112-191	• Certified for orthopaedic inserts
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.
Leather-free equipment	• 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	
Mesh material	• Areas of application S1 • Synthetic material • 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.
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