TECHNICAL DATA SHEET

LIVAS black-blue Low ESD S1P No. 720821 Sz. 36 - 48







LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345 S1P	Basic requirement for S1P: **A** Antistatic shoe - **E** Energy absorption in the heel - **FO** Fuel resistance - **P** Penetration 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

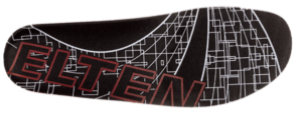
Areas of application	Dry work areas Industry, storage, transport, assembly etc. Areas where there is a risk of penetration from pointed and sharp objects (S1P) Areas where there is a risk of electrostatic discharge (ESDS/ESD)

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.
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 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.

PENETRATION RESISTANCE

Metal-free penetration protection	The textile midsole complies with the penetration safety standard EN 12568 and furthermore fulfils the additional requirements for penetration protection in accordance with EN ISO 20344 / 20345. The light and flexible material enables an increased elasticity of the shoe, which can particularly be recognized when working on uneven grounds or on your knees. The textile variant offers 100 % foot coverage compared to steel midsoles (foot coverage 85 % due to limits in the shoe manufacturing process). Being 100 % metal-free and antimagnetic, this equipment is used as penetration protection in safety shoes.

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