

TECHNICAL DATA SHEET

LIVAS black-red Low ESD S1PL No. 720831

Sz. 36 - 48



LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345:2022 S1PL	Basic requirement for S1PL: A Antistatic shoe - E Energy absorption in the heel - P Steel midsole - L Textile penetration protection - Closed heel area
Additional requirements	FO FUEL RESISTANCE SR SLIP RESISTANCE on ceramic tile with glycerine. SC SCUFF CAP The overcap manages a certain amount of abrasion. 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.
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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/S1PL/S1PS) 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.
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FEATURES	
Sizes (unisex model)	Expanded size range: available in sizes 36 - 48
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
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



- 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: 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