TECHNICAL DATA SHEET

IAN XXTP red Low ESD S2 No. 721310 Sz. 35 - 49





LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345 S2	Basic requirement for S2: **A** Antistatic shoe - **E** Energy absorption in the heel - **FO** Fuel resistance - **WRU** Water penetration and water absorption resistant upper - 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.

FORM

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

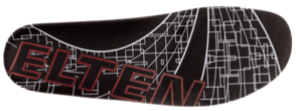
AREAS OF APPLICATION

Areas of application	Indoors and outdoors Areas where exposure to moisture is expected (S2) Areas where there is a risk of electrostatic discharge (ESDS/ESD) E.g. airports, airplane construction, automobile manufacturing No scratches from metal parts Close to induction loops / metal detectors

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 35 - 49

FEATURES	
Certification in accordance with DGUV rule 112-191	• Certified for orthopaedic inserts
Padded upper edge	• Excellent wearing comfort: the padded upper edge protects the Achilles tendon.
Full, padded bellows tongue	• Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe.
Reflective material	• Good visibility in the dark
Sole core made of Infinergy® by BASF 	The sole core consists of expanded, thermoplastic polyurethane in the form of oval foam beads. These stick together and are very light and elastic. This revolutionary technology cushions the impact and bounces back extremely well on pressure, so that the energy can be returned to the wearer. Even under low temperatures of -20 °C, the core maintains its high elasticity.
No metal or leather	• Low weight • Suitable for work areas sensitive to metal • Does not trigger metal detectors • Use around induction loops is possible • Suitable for persons allergic to leather
UPPER MATERIAL	
Hydrophobized microfibre	• Areas of application S2/S3 • Synthetic material • Particularly soft • Retains its shape • Tear-resistant • Dries quickly • Abrasion-resistant and light • Water penetration and absorption in accordance with EN ISO 20345 S2; an improved resistance against water penetration is achieved by a special hydrophobation of the material
Hydrophobized textile material	• Areas of application S2/S3 • Synthetic material • Shape-retaining • Tear-resistant • Dries quickly • Wear-resistant and light • Water penetration/absorption in accordance with EN ISO 20345 S2 • By hydrophobation, higher resistance against water penetration and water absorption
LINING	
Breathable fabric lining	• Climate-regulating • Good ventilation • Skin-friendly • High absorption and emission of moisture

LINING	
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.
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

WELLMAXX TRAINERS POWER double-density sole with profile

- Excellent slip resistance
- Antistatic

Outsole: TPU (thermoplastic polyurethane)

- Colour: red, with coloured inserts
- Profile depth: 3.5 mm
- Abrasion-resistant
- Heat-resistant to approx. 130°C
- Flexible at cold temperatures to approx. -20°C
- Oil and fuel resistant

Midsole: PU (polyurethane) with a core made of Infinergy® by BASF

- The soft PU core provides a good impact absorption and high wearing comfort
- The core made of Infinergy® provides a very good cushioning with rebound effect