ELTEN
Take a walk on the safe side

# TECHNICAL DATA SHEET



## MILES Low ESD S3
## No. 729451

**Sz. 40 - 48**

## LABELLING ACCORDING TO STANDARD

| | |
|---|---|
| In accordance with EN ISO 20345 S3 SRC | |
| Form A  | ▪ Men's safety shoe, low cut |
| SRC SLIP RESISTANCE | SLIP RESISTANCE: When it comes to slip resistance as defined by EN ISO 20345, SRC signifies the best possible rating a safety shoe can reach. |

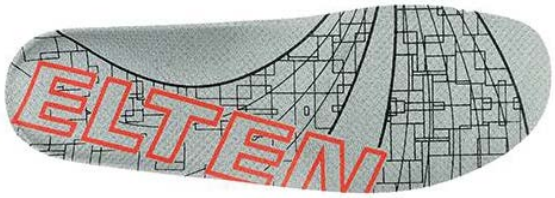
| FIT | AREAS OF APPLICTION |
|---|---|
| ANATOMICAL | ▪ Indoors and outdoors<br>▪ Industry, storage, transport, construction etc.<br>▪ Areas where exposure to moisture is expected (S2)<br>▪ Areas where there is a risk of penetration from pointed and sharp objects (S3)<br>▪ Areas where there is a risk of electrostatic discharge (ESDS/ESD) |

## FEATURES

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| Design | ▪ Modern and sporty design |
| Full, padded bellows tongue | ▪ Extremely comfortable<br>▪ Prevents pressure points<br>▪ Prevents penetration of dirt |
| Padded upper edge | ▪ Extremely comfortable<br>▪ Protects the Achilles tendon |
| Heel loop | ▪ Allows shoe to be put on quickly<br>▪ Comfort-Plus |
| ESD - Equipment ESD | ▪ Suitable when working in areas subject to electrostatic discharge and electrostatic protected areas (EPA)<br>▪ Excellent conductivity |
| Certification in accordance with DGUV rule 112-191 | ▪ Certified for orthopaedic inserts |

| FEATURES | |
|---|---|
| Abrasion-resistant toe protection | ▪ Directly applied to the upper<br>▪ Excellent wear protection in the toe area<br>▪ Protects the upper in this critical area against premature wear |
| Sole core made of Infinergy® by BASF<br><br> | ▪ Made of expanded thermoplastic polyurethane in the form of oval, closed cell particle foam<br>▪ Provides for all-over cushioning<br>▪ Whips back extremely well when under pressure (rebound effect) – the energy is given back to the wearer<br>▪ Very light and elastic<br>▪ High elasticity even at temperatures of -20° C |
| **UPPER MATERIAL** | |
| Cowhide leather | ▪ Areas of application S2/S3<br>▪ Natural material<br>▪ Wear-resistant<br>▪ Breathable<br>▪ Water penetration/absorption in accordance with EN ISO 20345 S2 |
| Hydrophobized nubuck leather | ▪ Areas of application S2/S3<br>▪ Natural material<br>▪ Wear-resistant<br>▪ Breathable<br>▪ Water penetration/absorption in accordance with EN ISO 20345 S2<br>▪ By hydrophobation, higher resistance against water penetration and water absorption |
| **LINING** | |
| Fabric lining | ▪ Climate-regulating<br>▪ Good ventilation<br>▪ Skin-friendly<br>▪ High absorption and emission of moisture |
| Heel pocket lining | ▪ Abrasion-resistant microfibre material, sturdy<br>▪ Comfortable |
| **TOE PROTECTION CAP** | |
| Composite toe cap<br><br> | ▪ Protection against impacts of min. 200 joules and pressure loading of min. 15 kN<br>▪ Permanent edge coverage for cushioning<br>▪ Ergonomically shaped<br>▪ Comfortable toe-room<br>▪ Good coverage of the little toe area<br>▪ Low weight<br>▪ 100% metal-free<br>▪ 100% anti-magnetic<br>▪ Weighs less than conventional steel caps |

## INLAY SOLE

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| Full-length inlay sole ESD PRO<br><br>▪ The full-length, exchangeable inlay sole with ESD equipment provides the highest possible comfort in a safety shoe.<br><br> | ▪ ESD-EQUIPMENT: The ELTEN ESD inlay sole is conductive and fulfils the EN ISO 20345 and DIN EN 61340-4-3 standards for areas of electrostatic discharge.<br>▪ Protection against electrostatic discharge (ESD)<br>▪ OPTIMAL FOOT CLIMATE: High moisture absorption and release because of the PU foam's open cell structure. So the foot is always kept comfortably dry.<br>▪ SHOCK-ABSORBING AND COMFORTABLE: The extreme softness of the PU foam absorbs shocks on impact and increases walking comfort.<br>▪ ODOUR NEUTRALISING: Activated coal reduces the development of unpleasant odours in the shoe.<br>▪ ANTIBACTERIAL: Activated coal prevents the development and spreading of fungi and other bacteria.<br>▪ BREATHABLE: Improvement of the shoe climate because of the PU foam's open cell structure. |

## INSOLE

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| ESD soft-fleece insole with integrated omissions<br><br> | ▪ Integrated omissions for supporting the cushioning effect<br>▪ ESD-equipment<br>▪ Protection against electrostatic discharge (ESD), even when 100% dry, and without the need for additional aids to provide a bridge to the outsole<br>▪ Approx. 50% lighter than comparable soles made of natural materials<br>▪ Flexible and shape-retaining<br>▪ Good air permeability<br>▪ Excellent wear resistance<br>▪ High moisture absorption<br>▪ Quick drying (virtually overnight) |

## PENETRATION PROTECTION

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| Steel midsole | ▪ Fulfils the additional requirements for penetration protection in accordance with EN ISO 20344 / 20345<br>▪ Fulfils the penetration safety standard EN 12568<br>▪ Corrosion-resistant<br>▪ Stainless steel |

## OUTSOLE

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| WELLMAXX double-density sole with profile | ▪ Antistatic<br>▪ Excellent slip resistance |
| Outsole: TPU (=thermoplastic polyurethane) | ▪ Colour: smoky grey<br>▪ Particularly abrasion-resistant<br>▪ Heat-resistant to approx. 130°C, flexible at cold temperatures to approx. -30°C<br>▪ Oil and fuel resistant |
| Midsole: PU with a core made of Infinergy® by BASF | ▪ Colour: black<br>▪ The soft PU core provides a good impact absorption and high comfort |

## OUTSOLE




### ERGONOMIC OUTSOLE WELLMAXX

**01 S-LINE**
- The arrangement of the tread bars follows an S-line, supporting the natural rolling action of the foot

**02 BEVELLED PROFILE RIBS**
- Particularly good grip on uneven grounds, increased stability and exceptional non-slip properties

**03 HONEYCOMBS WITH “SUCTION CUPS“ EFFECT**
- Slip-resistant profile for optimum stability when standing
- Effective forward dynamics

**04 NEGATIVE PROFILE**
- The risk of “getting stuck”, particularly with turning movements and when setting the foot down, is decisively reduced – thanks to a sole that is rounded at the outer edges

**05 SOLE CORE MADE OF INFINERGY® BY BASF**
- Cushions impacts and provides for a rebound effect for the foot

**06 FLEX GROOVES**
- Improves the physiological rolling of the foot
- Kneeling activities are easier to carry out due to physiological bending