

# TECHNICAL DATA SHEET

**KABRU XXP Pro BOA® GTX® black High ESD S3S WR HI  
CI No. 788031**


**Sz. 40 - 48**



## LABELLING ACCORDING TO STANDARD

<p>Standard for safety footwear EN ISO 20345:2022 S3S</p>	<p>Basic requirement for S3S:  <b>A</b> Antistatic shoe - <b>E</b> Energy absorption in the heel -  <b>WPA</b> Water penetration and absorption -  <b>S</b> Textile penetration protection - Closed heel area - Basic Slip resistance test on ceramic tile + NaLS (soap solution) - Profiled outsole</p>
<p>Additional requirements</p>	<p><b>WR WATER RESISTANCE</b>, entire shoe</p> <p><b>FO FUEL RESISTANCE</b></p> <p><b>SR SLIP RESISTANCE</b> on ceramic tile with glycerine.</p> <p><b>SC SCUFF CAP</b> The overcap manages a certain amount of abrasion.</p> <p><b>LG LADDER GRIP</b> Heel edge of at least 10 mm</p> <p><b>HI HEAT INSULATED</b></p> <p><b>HRO HEAT RESISTANT OUTSOLE</b> Heat resistance against contact heat, also during short-term high temperatures</p> <p><b>CI COLD INSULATED</b></p>




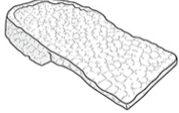


## FORM

<p>Safety laced boot</p> 	<p>Form C - in size 42, the upper height must be at least 17.8 cm.</p>
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## AREAS OF APPLICATION

Areas of application	<p>Indoors and outdoors</p> <p>Areas where exposure to moisture is expected (S2)</p> <p>Areas where there is a risk of penetration from pointed and sharp objects (S3/S3L/S3S)</p> <p>Areas where there is a risk of electrostatic discharge (ESDS/ESD)</p> <p>Workplaces on hard Undergrounds: The revolutionary Infinergy® sole core cushions impacts and provides for a rebound effect when the compressive impulse subsides - for more energy in every step.</p>
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## FEATURES

ESD equipment	<p>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.</p>	
Certification in accordance with DGUV rule 112-191	<ul style="list-style-type: none"> <li>• Certified for orthopaedic inserts</li> </ul>	
Full, padded bellows tongue	<ul style="list-style-type: none"> <li>• Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe.</li> </ul>	
Reflective material	<ul style="list-style-type: none"> <li>• Good visibility in the dark</li> </ul>	
Heel loop	<ul style="list-style-type: none"> <li>• Quicker into the shoe: The heel loop makes it easier to get inside the shoe</li> </ul>	
<p>Sole core made of Infinergy® by BASF</p> 	<p>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.</p>	
BOA® Fit System	<p>Delivering fit solutions purpose-built for performance, the BOA® Fit System is featured in products across industries (including sports, workwear and medical) and consists of three integral parts: a micro adjustable dial, a super-strong lightweight lace and low friction lace guides. Each unique configuration is engineered for fast, effortless, precision fit and is backed by the BOA® Guarantee.</p>	
TPU scuff cap	<ul style="list-style-type: none"> <li>• Excellent wear protection in the shoe tip</li> <li>• Protects the upper leather in this area against premature wear</li> </ul>	

## UPPER MATERIAL

Cowhide leather	<ul style="list-style-type: none"> <li>• Areas of application S1/S2/S3</li> <li>• Natural material</li> <li>• Wear-resistant</li> <li>• Breathable</li> <li>• Water penetration/absorption in accordance with EN ISO 20345 S2</li> </ul>
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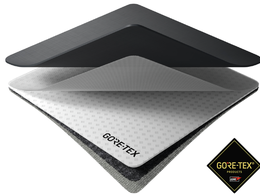
## UPPER MATERIAL

Hydrophobized nubuck leather

- Areas of application S2/S3
- Natural material
- Wear-resistant
- Breathable
- Water penetration/absorption in accordance with EN ISO 20345 S2
- By hydrophobation, higher resistance against water penetration and water absorption

## LINING

Gore-Tex® Performance Comfort Footwear



The GORE-TEX® membrane prevents water from entering into the shoe, but still allows your feet to "breathe". This technology provides ideal climate comfort for all outdoor activities, even in the harshest weather conditions. All components of the shoe construction are precisely attuned to one another and are subject to constant quality controls.

The ALL-WEATHER membrane

The all-weather membrane constantly provides an ideal climate comfort inside the shoe in all wind and weather conditions. Keeps your feet cool in summer and warm in winter. Tiny pores keep wind and wetness outside.

## TOE PROTECTION CAP

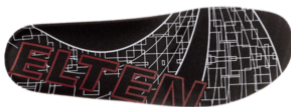
Steel toe cap



- 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

## INLAY SOLE

Full-length inlay sole ESD PRO (rec)



- 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.
- Inlay sole with recycled material content
- 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 with recycled material content

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.

The metal-free midsole (penetration protection) is made from 20% recycled polyester.

## OUTSOLE

WELLMAXX PEAK double-density sole with profile



- S-line shaped configuration of the tread blocks, for an ergonomic foot roll
- Excellent slip resistance
- Antistatic

Outsole: Rubber

- Colour: black
- Profile depth: 4.5 mm
- 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

Midsole: PU (polyurethane)

- 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