TECHNICAL DATA SHEET

HELSINKI XXG Pro black High ESD S2 HI CI No. 784081 Sz. 39 - 48

LABELLING ACCORDING TO STANDARD

Standard for safety footwear EN ISO 20345:2022 S2	Basic requirement for S2: **A** Antistatic shoe - **E** Energy absorption in the heel - **WRU** Water penetration and water absorption resistant upper - Closed heel area
Additional requirements	**CI** COLD INSULATED **HI** HEAT INSULATED **HRO** HEAT RESISTANT OUTSOLE Heat resistance against contact heat, also during short-term high temperatures **FO** FUEL RESISTANCE **SC** SCUFF CAP The overcap manages a certain amount of abrasion.

FORM

Safety laced boot 	Form C - in size 42, the upper height must be at least 17.8 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) 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.

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.
Full, padded bellows tongue	• Excellent wearing comfort: The tongue prevents pressure marks and avoids dirt from entering into the shoe.
TPU scuff cap	• Excellent wear protection in the shoe tip • Protects the upper leather in this area against premature wear
UPPER MATERIAL	
Cowhide leather	• Areas of application S1/S2/S3 • Natural material • Wear-resistant • Breathable • Water penetration/absorption in accordance with EN ISO 20345 S2
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	
Warm lining	• Good ventilation • Skin-friendly • High absorption of moisture
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	

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 GRIP double-density sole with profile  	• Excellent slip resistance • Antistatic
	Outsole: Rubber • Colour: black • Profile depth: 4.0 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 • Resistant to a large number of chemicals (acids and alkalis) • Notch-resistant
	Midsole: PU (polyurethane) with a core made of Infinergy® by BASF • The core made of Infinergy® provides a very good cushioning with rebound effect • The soft PU core provides a good impact absorption and high wearing comfort