

Article	ENDURANCE HIGH ESD
Category	S3L FO CI SR LG
Sizes	36 - 48
Width	11
Weight (half pair, sz 42)	580 gr
Metal free	Yes
Certification	CE



E.LITE
collection

UPPER	Water resistant full grain and abrasion resistant leather
LINING	extremely breathable polyamide lining. It absorbs moisture quickly and ensures a greater comfort during the whole working day. Optimal resistance to abrasion and anti-bacterial
TOE CAP	non-magnetic toecap, from composite materials. 50% lighter than steel
ANTI-PERFORATION MIDSOLE	non-magnetic, perforation resistance composite fabric plate. It is 40% lighter and more flexible than steel plate and at the same time guarantees an optimal protection covering 100% of the foot surface. Certified EN 12568:2010
FOOTBED	insole PU 10mm expanded, covered with antibacterial fabric
SOLE	PU double density with optimal absorption of strains on the vertebral column thanks to the use of expanded PU midsole. Maximum stability

bdry

TOP
DEFENCE

Shield PRO

PSD
TECHNOLOGY

	Requirements		Test
	EN ISO 20345:2022		Results
UPPER	+ A1:2024		
Water Vapour Permeability	mg/cmq*h	≥ 0,8	3,5
Water Vapour Coefficient	mg/cmq	≥ 15	37
LINING			
Water Vapour Permeability	mg/cmq*h	≥ 2	11,1
Water Vapour Coefficient	mg/cmq	≥ 20	97,7
TOECAP			
Impact resistance: clearance under the toecap	mm	≥ 14	14
Compression resistance: clearance under the toecap	mm	≥ 14	14
ANTI-PERFORATION MIDSOLE			
Penetration resistance (EN ISO 12568:2010)	N	≥ 1100	≥ 1100
ELECTRICAL RESISTANCE			
- wet condition (85% relative humidity)	MΩ	≥ 0,1	300
- dry condition (30% relative humidity)	MΩ	≤ 1000	650
ESD features (EN 61340-5-1)			
Ground electrical resistance	Ω	≤ 3,5 x 10 ⁷	3,4 x 10 ⁷
Transversal sole electrical resistance	Ω	≥ 1x10 ⁵ R ≤ 1x10 ⁸	9 x 10 ⁷
SOLE			
Abrasion resistance: relative volume loss	mm ³	≤ 150	45
Flexing resistance: cut growth	mm	≤ 4	1,5
Resistance to fuel oil: volume increase	%	≤ 12	1,1
Energy absorption of seat region	J	≥ 20	23
Slip resistance on	Condition A	≥ 0,31	0,35
ceramic tile with sodium lauryl sulphate	Condition B	≥ 0,36	0,38
Slip resistance on	Condition C	≥ 0,19	0,23
ceramic tile with glycerine	Condition D	≥ 0,22	0,25

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