

	U GROUP SRL Via Borgomanero n° 1 28040 Paruzzaro (NO)	LEGAL DATA: Tax Code and Reg.Imp.Novara: 02041920030 CCIAA Novara REA: 211799 VAT: IT02041920030 Export Code: No015724 Share Capital: 119.000 Iv	CONTACTS: WEBSITE: www.u-power.ai/en-gb EMAIL: info@u-power.it TEL: +39 0322 53 94 01 FAX: +39 0322 23 00 01	REV. 31/07/2026		
TECHNICAL SHEET		PRODUCT PHOTO	LINES	TECHNOLOGIES		
ORT10164 - ROB ESD S3S CI HI HRO FO SR Natural Confort 11 Mondopoint® NanoFiber Toe Cap, ultralight, metal free. FOOTWEAR TYPE "B" TEST REPORT SIZE 42 SIZES 35-48						
DESCRIPTION		TECHNICAL SPECIFICATIONS			NORM EN ISO	VALUE
The ROB ESD are versatile safety shoes designed to provide safety, comfort and performance throughout the working day. With protection class S3S CI HI HRO FO SR, they offer protection against impact, puncture, cold, heat and slipping on difficult surfaces. The soft tumbled nubuck leather upper, combined with the breathable lining, ensures a comfortable and durable fit. The toe cap and anti-puncture offers strength whilst been lightweight, while the high-grip sole ensures stability on a variety of surfaces. Ideal for industry, assembly, logistics and automotive.					EN ISO 20345:2022+A1:2024	
		SAFETY TOE CAP				
		Impact resistance. Free heights after collision mm			≥14	16,0
		Compressive strength. Free heights after compr. mm			≥14	17,0
		ANTI-PERFORATION INSERT				
		Puncture resistance			≥1100N	Compliant
		ELECTRICAL RESISTANCE OF THE SHOE				
		Measurement result			<10°ohm	Compliant
		UPPER DYNAMIC WATERPROOFING AFTER 60'				
		Water absorption after 60'			≤30%	16,3
		Water transmitted after 60'			≤0,2 gr	16,3
		Permeability to water vapor mg/(cm^2 h)			≥0,8	2,8
		Permeability coefficient mg/cm^2			≥15	23,8
		VAMP LINING				
		Permeability to water vapor mg/(cm^2 h)			≥2	77,5
		Permeability coefficient mg/cm^2			≥20	620,2
		Resistance to abrasion			12800/25600 cycles	No hole
		SOLE WEAR				
		Abrasion resistance (volume loss) mm^3			≤150	79
		Bending resistance mm			≤4	1.0
Resistance to sole / midsole detachment N/mm			≥3	4.3		
Heel energy absorption J			≥20	33		
SLIP RESISTANCE						
On ceramic with NaLS (forward heel 7°)			≥0,31	0.38		
On ceramic with NaLS (backward heel 7°)			≥0,32	0.43		
SR-Slip resistance on ceramic with glycerin (forward heel 7°)			≥0,19	0.26		
SR-Slip resistance on ceramic with glycerin (backward heel 7°)			≥0,22	0.29		