

	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			
ORT20164 - NED ESD S3S CI HI HRO FO SR Natural Confort 11 Mondopoint® NanoFiber Toe Cap, ultralight, metal free. FOOTWEAR TYPE "A" TEST REPORT SIZE 42 SIZES 35-48							
DESCRIPTION		TECHNICAL SPECIFICATIONS			NORM EN ISO	VALUE	
The NED ESD are versatile and robust safety shoes, ideal for professional use. With protection class S3S CI HI HRO FO SR, they guarantee complete safety on wet, cold and oily ground with integrated ESD protection against electrostatic discharge. Grey tumbled soft nubuck leather upper, toecap and anti-puncture system, high-grip sole and stability. Designed to offer prolonged comfort, breathability and support throughout the working day in various sectors.		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			