

	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			
OUT20104 - ROOT ESD S3S CI SC LG FO SR Natural Confort 11-12-13 Mondopoint FiberToe FOOTWEAR TYPE "A" TEST REPORT SIZE 42 WEIGHT 1493g SIZES 35-49 (UK: 2-13,5)						       			
DESCRIPTION		TECHNICAL SPECIFICATIONS				NORM EN ISO		VALUE	
Root safety shoes from U-Power's Red Fit line are designed to meet the requirements of anyone who works in difficult and challenging environments. The water repellent, pull-up leather upper provides softness and strength, guaranteeing dry feet even in wet conditions or rain. The PU extra-strong front reinforcement increases the durability of the footwear while providing added protection in the toe area against accidental impacts. Safety at work is ensured by the FiberToe toe cap and the Save & Flex® PLUS anti-perforation insole that protects from impacts and punctures while keeping the shoes light and comfortable. The PU/PU abrasion resistant, oil-resistant, non-slip and anti-static sole provides maximum grip and stability. Three interchangeable U-Power original insoles are included in the box for added customisation of the fit and daily comfort. Available in sizes 35 to 49, this low-cut footwear is the ideal choice for dynamic workers who require performance, safety and comfort in all situations.						EN ISO 20345:2022+A1:2024			
		SAFETY TOE CAP							
		Impact resistance. Free heights after collision mm				≥14		15,5	
		Compressive strength. Free heights after compr. mm				≥14		20,5	
		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%		4,4	
		Water transmitted after 60'				≤0,2 gr		4,4	
		Permeability to water vapor mg/(cm^2 h)				≥0,8		1,4	
		Permeability coefficient mg/cm^2				≥15		15,3	
		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		0,96	
		Resistance to sole / midsole detachment N/mm				≥3		3,4	
		Heel energy absorption J				≥20		47	
		SLIP RESISTANCE							
		On ceramic with NaLS (forward heel 7°)				≥0,31		0,42	
		On ceramic with NaLS (backward heel 7°)				≥0,32		0,41	
		SR-Slip resistance on ceramic with glycerin (forward heel 7°)				≥0,19		0,30	
		SR-Slip resistance on ceramic with glycerin (backward heel 7°)				≥0,22		0,34	