

	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																																																																														
ORT20154 - GREGOR 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	<table><tr><th>TECHNICAL SPECIFICATIONS</th><th>NORM EN ISO</th><th>VALUE</th></tr><tr><td colspan="3">EN ISO 20345:2022+A1:2024</td></tr><tr><td colspan="3">SAFETY TOE CAP</td></tr><tr><td>Impact resistance. Free heights after collision mm</td><td>≥14</td><td>16,0</td></tr><tr><td>Compressive strength. Free heights after compr. mm</td><td>≥14</td><td>17,0</td></tr><tr><td colspan="3">ANTI-PERFORATION INSERT</td></tr><tr><td>Puncture resistance</td><td>≥1100N</td><td>Compliant</td></tr><tr><td colspan="3">ELECTRICAL RESISTANCE OF THE SHOE</td></tr><tr><td>Measurement result</td><td><10°ohm</td><td>Compliant</td></tr><tr><td colspan="3">UPPER DYNAMIC WATERPROOFING AFTER 60'</td></tr><tr><td>Permeability to water vapor mg/(cm^2 h)</td><td>≥0,8</td><td>19,2</td></tr><tr><td>Permeability coefficient mg/cm^2</td><td>≥15</td><td>154,3</td></tr><tr><td colspan="3">VAMP LINING</td></tr><tr><td>Permeability to water vapor mg/(cm^2 h)</td><td>≥2</td><td>19,2</td></tr><tr><td>Permeability coefficient mg/cm^2</td><td>≥20</td><td>154,3</td></tr><tr><td>Resistance to abrasion</td><td>12800/25600 cycles</td><td>No hole</td></tr><tr><td colspan="3">SOLE WEAR</td></tr><tr><td>Abrasion resistance (volume loss) mm^3</td><td>≤150</td><td>79</td></tr><tr><td>Bending resistance mm</td><td>≤4</td><td>1.0</td></tr><tr><td>Resistance to sole / midsole detachment N/mm</td><td>≥3</td><td>4.3</td></tr><tr><td>Heel energy absorption J</td><td>≥20</td><td>33</td></tr><tr><td colspan="3">SLIP RESISTANCE</td></tr><tr><td>On ceramic with NaLS (forward heel 7°)</td><td>≥0,31</td><td>0.38</td></tr><tr><td>On ceramic with NaLS (backward heel 7°)</td><td>≥0,32</td><td>0.43</td></tr><tr><td>SR-Slip resistance on ceramic with glycerin (forward heel 7°)</td><td>≥0,19</td><td>0.26</td></tr><tr><td>SR-Slip resistance on ceramic with glycerin (backward heel 7°)</td><td>≥0,22</td><td>0.29</td></tr></table>				TECHNICAL SPECIFICATIONS	NORM EN ISO	VALUE	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'			Permeability to water vapor mg/(cm^2 h)	≥0,8	19,2	Permeability coefficient mg/cm^2	≥15	154,3	VAMP LINING			Permeability to water vapor mg/(cm^2 h)	≥2	19,2	Permeability coefficient mg/cm^2	≥20	154,3	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
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