



**U GROUP SRL**  
Via Borgomanero n° 1  
28040 Paruzzaro (NO)

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**REV. 27/05/2024**

**DATA SHEET**

**PRODUCT PICTURE**

**RANGES**

**TECHNOLOGIES**

RL10524 COSMO S3 HRO HI SRC CI  
Natural Confort 11 Mondopoint®  
AirToe Aluminium  
SHOE TYPE "B"  
SIZE RANGE 38-48  
Size tested: 42 - WEIGHT Kg 1,3



**BAU & BUILDING**



**DESCRIPTION**

**TECHNICAL SPECIFICATIONS**

**EN ISO STANDARD**

**VALUE**

Safety boots in soft, hard-wearing, water repellent, Pull-up leather with PU-reinforced scuff cap, double lace and Kevlar® DuPont™ stitching that ensure outstanding mechanical resistance to traction and heat.

Safety footwear in protection class S3 HRO HI CI SRC with special insulation against heat and cold.

The sole in PU/Vibram is particularly suited for use on treacherous surfaces and uneven ground, improving stability and grip.

Aluminium AirToe toe cap to protect the tip of the foot and Save & Flex® PLUS, all-fabric, anti-puncture system stitched directly onto the upper for total coverage of the surface of the foot.

Comfort is guaranteed by the WOW insole, an anatomic insole in soft, breathable, anti-bacterial polyurethane whilst the Infinergy® system ensures over 55% of energy is returned with each step. The WingTex air tunnel inner lining ensures breathability and dispersion of moisture.

Ideal work shoes for wet and cold environments, for building sites, gardens and agriculture, installations, port areas, road works and maintenance and in every situation in which outdoor footwear is required that has a particular need for the sole of the shoe to be insulated against heat and cold and the sole to have greater resistance to heat. Anti-slip, oil resistant and abrasion resistant sole.

**SAFETY TOE CAP "AirToe Aluminium"**

Impact resistance. Free heights after collision mm  
Compressive strength. Free heights after compr. mm

**INSOLE "Save & Flex PLUS®, anti-puncture, "no metal" fabric insole"**

Puncture resistance N

**ELECTRICAL RESISTANCE CATEGORY**

Environmental class 1 - 12% humidity  
Environmental class 2 - 25% humidity  
Environmental class 3 - 50% humidity

**UPPER DYNAMIC WATERPROOFING AFTER 60'**

Water absorption after 60'  
Water transmitted after 60'

Permeability to water vapor mg/(cm<sup>2</sup> h)  
Permeability coefficient mg/cm<sup>2</sup>

**VAMP LINING**

Permeability to water vapor mg/(cm<sup>2</sup> h)  
Permeability coefficient mg/cm<sup>2</sup>

Resistance to abrasion - DRY cycles  
Resistance to abrasion - WET cycles

**INSOLE**

Abrasion resistance

**SOLE WEAR**

Abrasion resistance (volume loss) mm<sup>3</sup>  
Bending resistance mm  
Resistance to sole / midsole detachment N/mm  
Hydrocarbons resistance (% volume variation)  
Heel energy absorption J  
Adherence coef. with EN 13207 SRB method  
Adherence coef. with EN 13207 SRA method

**20345:2011**

**RESULT**

≥ 14	17,5
≥ 14	18,5
≥ 1100	Compliant
10 <sup>5</sup> Ω e 10 <sup>9</sup> Ω (0,1 MΩ a 100 MΩ)	< 10 <sup>-9</sup> Ohm
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≤ 30%	6,4
≤ 0.2 gr	0
≥ 0.8	2,9
≥ 15	29,7
≥ 2	96,3
≥ 20	770,5
25600 cycles	No hole
12800 cycles	No hole
≥ 400 cycles	No damage
≤ 150	80
≤ 4	1,2
≥ 3	5,2
≤ 12	6,5
≥ 20	46
≥ 0.18	0,21
≥ 0.32	0,40