



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

**LEGAL DATA:**  
C.F e Reg.Imp.Novara:02041920030  
CCIAA Novara REA: 211799  
P.IVA: IT02041920030  
Codice Export: No015724  
Cap.Soc.: 119.000 lv

**CONTACTS:**  
WEBSITE: www.u-power.it/it  
EMAIL: info@u-power.it  
TEL: +39 0322 53 94 01  
FAX: +39 0322 23 00 01

**REV. 27/05/2024**

**DATA SHEET**

**PRODUCT PICTURE**

**RANGES**

**TECHNOLOGIES**

RI20394 CLIFF S2 SRC ESD  
Natural Confort 11  
AirToe Composite  
SHOE TYPE "A"  
SIZE RANGE 35-48  
Size tested: 42 - WEIGHT Kg 0,93



**DESCRIPTION**

**TECHNICAL SPECIFICATIONS**

**EN ISO STANDARD**

**VALUE**

**Carbon Neutral safety shoes** which guarantee **zero CO2 emissions** for **eco-sustainability** and **respect for the environment**.

**Cliff safety shoes** are **Green safety shoes** in protection class **S2 SRC ESD**.

This style features an **upper** made of **water-repellent, breathable New Safety Dry** with a high percentage of **recycled materials** and **ultra-lightweight AirToe Composite toe cap**.

The **Cliff** models are **comfortable safety shoes** which are ideal for the **chemical industry**.

The **WOW2 GREEN footbed** is obtained from **100% renewable sources** and is **anti-static, antibacterial, anatomic** and **self-modelling**. It ensures **prolonged comfort** and **well-being** throughout the day.

**Scuff resistant, oil resistant, anti-slip** and **anti-static PU sole** by BASF obtained from **100% renewable sources**. WingTex® Green **lining with breathable air tunnel** made from **recycled materials**.

**SAFETY TOE CAP "AirToe Composite"**

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

**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

	<b>20345:2011</b>	<b>RESULT</b>
Impact resistance. Free heights after collision mm	≥ 14	16,5
Compressive strength. Free heights after compr. mm	≥ 14	14,0
Puncture resistance N	≥ 1100	Compliant
Environmental class 1 - 12% humidity	10 <sup>5</sup> Ω e 10 <sup>9</sup> Ω (0,1 MΩ a 100 MΩ)	< 10 <sup>8</sup> Ohm
Environmental class 2 - 25% humidity	10 <sup>5</sup> Ω e 10 <sup>9</sup> Ω (0,1 MΩ a 100 MΩ)	< 10 <sup>8</sup> Ohm
Environmental class 3 - 50% humidity	10 <sup>5</sup> Ω e 10 <sup>9</sup> Ω (0,1 MΩ a 100 MΩ)	< 10 <sup>8</sup> Ohm
Water absorption after 60'	≤ 30%	1,4
Water transmitted after 60'	≤ 0.2 gr	0
Permeability to water vapor mg/(cm <sup>2</sup> h)	≥ 0.8	1,1
Permeability coefficient mg/cm <sup>2</sup>	≥ 15	15,5
Permeability to water vapor mg/(cm <sup>2</sup> h)	≥ 2	96.3
Permeability coefficient mg/cm <sup>2</sup>	≥ 20	770.5
Resistance to abrasion - DRY cycles	25600 cycles	No hole
Resistance to abrasion - WET cycles	12800 cycles	No hole
Abrasion resistance	≥ 400 cycles	No damage
Abrasion resistance (volume loss) mm <sup>3</sup>	≤ 150	61
Bending resistance mm	≤ 4	0
Resistance to sole / midsole detachment N/mm	≥ 3	5,0
Hydrocarbons resistance (% volume variation)	≤ 12	4,6
Heel energy absorption J	≥ 20	32
Adherence coef. with EN 13207 SRB method	≥ 0.18	0,29
Adherence coef. with EN 13207 SRA method	≥ 0.32	0,33