



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

**LEGAL DATA:**  
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**REV. 27/05/2024**

**DATA SHEET**

**PRODUCT PICTURE**

**RANGES**

**TECHNOLOGIES**

RI10324 NIAGARA UK S3 SRC CI ESD  
Natural Confort 11  
AirToe Composite  
SHOE TYPE "B"  
SIZE RANGE 35-48  
Size tested: 42 - WEIGHT Kg 1,195



**DESCRIPTION**

**TECHNICAL SPECIFICATIONS**

**EN ISO STANDARD**

**VALUE**

Low environmental impact winter safety shoes made with recycled materials and materials obtained from renewable sources that uphold the criteria of eco-sustainability and respect for the environment, completely Carbon Neutral (zero CO2 emissions).

This high, comfortable and light safety footwear from the Red Industry Green range has a soft, micro-fibre upper containing a high percentage of recycled material.

The Save & Flex Plus Green anti-puncture system, completely fabric and "Metal Free", is made with 59% recycled material, as is the Wingtex Green air tunnel lining (66% recycled material).

Eco-bio footwear with ultra-light AirToe Composite toe cap (weighing just 50 gr) in S3 CI SRC ESD protection class.

U-Power Green shoes guarantee a high level of protection and comfort, in respect of the environment and eco-sustainability, whilst maintaining the recognised high level of quality of the U-Power name.

100% of the materials used in the WOW2 Green insole (which supports the foot with an enveloping sensation of prolonged well-being) and is ESD, anti-slip, oil resistant and abrasion resistant sole comes from renewable sources, both in BASF PU. The insole is anti-bacterial, anatomic and anti-static.

Eco-sustainable safety footwear suitable for assembly line, industrial, logistics and automotive work.

**SAFETY TOE CAP "AirToe Composite"**

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

**INSOLE "Save & Flex PLUS® Green, anti-puncture, "no metal" insole containing 59% recycled material"**

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	19,5
≥ 14	20,5
≥ 1100	Compliant
10 <sup>5</sup> Ω e 10 <sup>9</sup> Ω (0,1 MΩ a 100 MΩ)	< 10 <sup>8</sup> Ohm
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≤ 30%	N.A.
≤ 0.2 gr	N.A.
≥ 0.8	1.5
≥ 15	15.1
≥ 2	96.3
≥ 20	770.5
25600 cycles	No hole
12800 cycles	No hole
≥ 400 cycles	No damage
≤ 150	61
≤ 4	0
≥ 3	5,0
≤ 12	8,4
≥ 20	28
≥ 0.18	0,29
≥ 0.32	0,33