



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

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REV. 27/05/2024

DATA SHEET

PRODUCT PICTURE

RANGES

TECHNOLOGIES

RI21052 MADRID S2 SRC ESD
Natural Confort 11
AirToe Composite
SHOE TYPE "A"
SIZE RANGE 35-48 (UK: 2-13)
Size tested: 42 - WEIGHT Kg 0,96



DESCRIPTION

TECHNICAL SPECIFICATIONS

EN ISO STANDARD

VALUE

Safety shoes without laces with **water repellent** and **breathable** New Safety Dry upper.
White work shoes with **anti-slip, anti-static, oil-resistant, abrasion-resistant** PU/PU sole and lightweight **Airtoe Composite toe cap** weighing only 50 gr.
Madrid is an extremely **comfortable** and breathable **S2 SRC ESD safety shoe** thanks to its WingTex air tunnel lining. The **WOW2 insole** also ensures **long-lasting well-being and comfort** thanks to its self-modelling properties and the anti-fatigue insert which significantly reduces body stress and improves **stability** and **balance**.
Work shoes for women and men, ideal for various work areas and, in particular, **for the food, nursing and health industries**.

SAFETY TOE CAP "AirToe Composite"
Impact resistance. Free heights after collision mm ≥ 14
Compressive strength. Free heights after compr. mm ≥ 14
INSOLE "-"
Puncture resistance N ≥ 1100
ELECTRICAL RESISTANCE CATEGORY
Environmental class 1 - 12% humidity $10^5 \Omega$ e $10^9 \Omega$ (0,1 M Ω a 100 M Ω) $< 10^8$ Ohm
Environmental class 2 - 25% humidity $10^5 \Omega$ e $10^9 \Omega$ (0,1 M Ω a 100 M Ω) $< 10^8$ Ohm
Environmental class 3 - 50% humidity $10^5 \Omega$ e $10^9 \Omega$ (0,1 M Ω a 100 M Ω) $< 10^8$ Ohm
UPPER DYNAMIC WATERPROOFING AFTER 60'
Water absorption after 60' $\leq 30\%$
Water transmitted after 60' ≤ 0.2 gr
Permeability to water vapor mg/(cm² h) ≥ 0.8
Permeability coefficient mg/cm² ≥ 15
VAMP LINING
Permeability to water vapor mg/(cm² h) ≥ 2
Permeability coefficient mg/cm² ≥ 20
Resistance to abrasion - DRY cycles 25600 cycles
Resistance to abrasion - WET cycles 12800 cycles
INSOLE
Abrasion resistance ≥ 400 cycles
SOLE WEAR
Abrasion resistance (volume loss) mm³ ≤ 150
Bending resistance mm ≤ 4
Resistance to sole / midsole detachment N/mm ≥ 3
Hydrocarbons resistance (% volume variation) ≤ 12
Heel energy absorption J ≥ 20
Adherence coef. with EN 13207 SRB method ≥ 0.18
Adherence coef. with EN 13207 SRA method ≥ 0.32

20345:2011

RESULT

19,5
19,0
Compliant
 $< 10^8$ Ohm
 $< 10^8$ Ohm
 $< 10^8$ Ohm
9,3
0
1,3
15,4
55,7
445,8
No hole
No hole
No damage
47
3,2
4,0
2,9
32
0,44
0,45