



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

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REV. 11/11/2024

DATA SHEET

PRODUCT PICTURE

RANGES

TECHNOLOGIES

RE20134 ALYX ESD S3S CI HI HRO FO SR
FiberToe
SHOE TYPE "N.A."
SIZE RANGE 35-48 (UK: 2-13)
Size tested: 42 - WEIGHT Kg 0,980



DESCRIPTION

TECHNICAL SPECIFICATIONS

EN ISO STANDARD

VALUE

Alyx is a **low-cut safety shoe** designed to deliver **comfort** and **protection** with a stylish twist. The **Nabuk-effect microfiber upper** is **water-repellent** and wear-resistant, ensuring daylong safety and comfort. A **Fibertoe toe cap** protects your feet, while the **ultra-light puncture-resistant insole** wards off perforation risks. **Completely metal free**, Alyx provides a lighter fit for all-day use. The **EVA + light blue rubber outsole** not only **ensures excellent grip** but also adds a modern, dynamic detail. It is the perfect choice for complex work environments.

SAFETY TOE CAP "Fibertoe"

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

≥ 14
≥ 14

20345:2022

RESULT

17,0
18,5

INSOLE "Ultra-light puncture-resistant insole"

Puncture resistance N

≥ 1100

Compliant

ELECTRICAL RESISTANCE CATEGORY

< 10⁹ Ω

Compliant

UPPER DYNAMIC WATERPROOFING AFTER 60'

Water absorption after 60'
Water transmitted after 60'
Permeability to water vapor mg/(cm² h)
Permeability coefficient mg/cm²

≤ 30%
≤ 0,2 gr
≥ 0,8
≥ 15

2,9
0,0
1,5
15,3

VAMP LINING

Permeability to water vapor mg/(cm² h)
Permeability coefficient mg/cm²
Resistance to abrasion - DRY cycles
Resistance to abrasion - WET cycles

≥ 2
≥ 20
25.600 cycles
12.800 cycles

77,5
620,2
Compliant
Compliant

INSOLE

Abrasion resistance

≥ 400 cycles

No damage

SOLE WEAR

Abrasion resistance (volume loss) mm³
Bending resistance mm
Resistance to sole / midsole detachment N/mm
Hydrocarbons resistance (% volume variation)
Heel energy absorption J

≤ 150
≤ 4
≥ 3
≤ 12
≥ 20

139
2,8
3,5
12
35

SLIP RESISTANCE

Slip resistance on ceramic with NaLS (forward heel 7°)
Slip resistance on ceramic with NaLS (backward forepart 7°)
SR-Slip resistance on ceramic with glycerin (forward heel 7°)
SR-Slip resistance on ceramic with glycerin (backward forepart 7°)

≥ 0,31
≥ 0,36
≥ 0,19
≥ 0,22

0,45
0,41
0,29
0,24