



U GROUP SRL
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DATA SHEET

PRODUCT PICTURE

RANGES

TECHNOLOGIES

RV20134 THOMAS S3 SRC CI ESD
Natural Comfort 11 Mondopoint
AirToe Aluminium
SHOE TYPE "A"
SIZE RANGE 35-48
Size tested: 42 - WEIGHT Kg 1,072



DESCRIPTION

TECHNICAL SPECIFICATIONS

EN ISO STANDARD

VALUE

Lightweight safety work shoes with upper in Nubuck-effect soft microfibre.

These **low work shoes**, with **AirToe Aluminium** light toe cap, in **S3 SRC CI ESD** protection class, feature an **ultra-light sole** built using a new generation **anti-abrasion, anti-oil, anti-slip** and **antistatic** PU compound.

The brand new **puncture-proof textile insole** makes these **work shoes lighter** than traditional models ensuring the protection of the sole of the foot.

The use of these **innovative materials** for the outsole and the anti-puncture system, together with the **Airtoe® aluminium toe cap**, allow a **considerable reduction in the overall weight of the work footwear**, which greatly benefits the performance and well-being of the worker.

CI safety footwear, with special **protection of the sole from the cold**, ideal for: **electricians, carpenters, craftsmen, warehouse workers**, and for workers in the **transport & logistics** sector.

The **U-Power Original insole**, built using a light polyurethane compound ensures comfort and foot health thanks to its **antibacterial, anatomical and breathable characteristics**. **WingTex Air tunnel lining**.

Safety shoes for men and women.

SAFETY TOE CAP "AirToe Aluminium"

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

INSOLE "Save & Flex Air"

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/(cm² h)
Permeability coefficient mg/cm²

VAMP LINING

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

INSOLE

Abrasion resistance

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
Adherence coef. with EN 13207 SRB method
Adherence coef. with EN 13207 SRA method

	20345:2011	RESULT
Impact resistance. Free heights after collision mm	≥ 14	19,0
Compressive strength. Free heights after compr. mm	≥ 14	19,5
Puncture resistance N	≥ 1100	Compliant
Environmental class 1 - 12% humidity	10 ⁵ Ω e 10 ⁹ Ω (0,1 MΩ a 100 MΩ)	< 10 ⁸ Ohm
Environmental class 2 - 25% humidity	10 ⁵ Ω e 10 ⁹ Ω (0,1 MΩ a 100 MΩ)	< 10 ⁸ Ohm
Environmental class 3 - 50% humidity	10 ⁵ Ω e 10 ⁹ Ω (0,1 MΩ a 100 MΩ)	< 10 ⁸ Ohm
Water absorption after 60'	≤ 30%	0
Water transmitted after 60'	≤ 0.2 gr	15.7
Permeability to water vapor mg/(cm ² h)	≥ 0.8	1.5
Permeability coefficient mg/cm ²	≥ 15	15.1
Permeability to water vapor mg/(cm ² h)	≥ 2	96.3
Permeability coefficient mg/cm ²	≥ 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 ³	≤ 150	37
Bending resistance mm	≤ 4	0,8
Resistance to sole / midsole detachment N/mm	≥ 3	N.A.
Hydrocarbons resistance (% volume variation)	≤ 12	2,1
Heel energy absorption J	≥ 20	26
Adherence coef. with EN 13207 SRB method	≥ 0.18	0,28
Adherence coef. with EN 13207 SRA method	≥ 0.32	0,38