



U GROUP SRL
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DATA SHEET

PRODUCT PICTURE

RANGES

TECHNOLOGIES

RI20384 EMBER UK S3 SRC CI ESD
Natural Confort 11
AirToe Composite
SHOE TYPE "A"
SIZE RANGE 35-48
Size tested: 42 - WEIGHT Kg 1,115



DESCRIPTION

TECHNICAL SPECIFICATIONS

EN ISO STANDARD

VALUE

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

Ember UK is a style of **low-top, comfortable safety shoes** made from **recycled materials** and from **renewable sources** produced with an optimised production system and **zero CO2 emissions**. Comfort and safety guaranteed by the U-Power brand.

The **Ember UK safety shoes** are **Green safety shoes** which meet the requirements of protection class **S3 CI SRC ESD**.

Safety footwear with the **Save&Flex Plus Green anti-puncture system**, totally "Metal Free", made from **59% recycled materials**. **Ultra-lightweight AirToe Composite toe cap** to protect the toes.

Upper in Putek® Spider Repet, made from a **high percentage of recycled materials**, with excellent scuff resistance.

Safety shoes ideal for: assembly lines, industry, logistics and automotive

PU sole by BASF, 100% **obtained from 100% renewable sources**, **scuff resistant, oil resistant, non-slip** and **anti-static**.

WingTex® Green lining with breathable air tunnel made from 66% recycled materials.

Anatomic, antibacterial, anti-static and **self-modelling WOW2 Green footbed** in **PU by BASF** which ensures long-lasting well-being and comfort and accommodates the foot with a pleasant sensation of **lightness** and relief for long-lasting **well-being** and **comfort**.

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/(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

≥ 14	19,5
≥ 14	20,5
≥ 1100	Compliant
10 ⁵ Ω e 10 ⁹ Ω (0,1 MΩ a 100 MΩ)	< 10 ⁸ Ohm
10 ⁵ Ω e 10 ⁹ Ω (0,1 MΩ a 100 MΩ)	< 10 ⁸ Ohm
10 ⁵ Ω e 10 ⁹ Ω (0,1 MΩ a 100 MΩ)	< 10 ⁸ Ohm
≤ 30%	7,0
≤ 0.2 gr	0,01
≥ 0.8	15.6
≥ 15	125
≥ 2	15.6
≥ 20	125
25600 cycles	No hole
12800 cycles	No hole
≥ 400 cycles	No damage
≤ 150	61
≤ 4	0
≥ 3	5,0
≤ 12	6,1
≥ 20	28
≥ 0.18	0,29
≥ 0.32	0,33