SAFETY

ELECTRON

Non Metallic Leather Safety footwear

Electron is our another new stylish non metallic leather safety footwear, offering very high wearer comfort & highest slip resistance, thanks to its lightweight design, tropicalized high-tech materials including composite toe, and ergonomically designed out sole. Electron the ideal companion for frequent flyers/Electricians.

BORN TOUGH BUILT RELIABLE

Upper	Apollo leather
Sole	Double Density PU Grey Outsole
Toecap	Composite
Midsole	PU
Lining	Mesh
Footbed	PU 3 Layered Moulded Footbed
Safety category	EN ISO 20345 : 2011 & IS 15298 (Part 2): 2016
Sample weight	900 gm. ± 50g. | Size 8.
Size range	UK 5-12

GENERAL & UPPER

- LEATHER UPPER
- LIGHT WEIGHT
- BREATHABLE UPPER
- LACE UP
- ODOR REDUCING
- NON METALLIC

TOE CAP

- COMPOSITE TOE (CT, 200J)
- WIDE TOE CAP

LINING

- TEXTILE LINING

IN SOCK

- PU MOULDED 3 LAYERED SOCKS
- CUSHION HEEL & ARCH SUPPORT

SOLE

- DOUBLE DENSITY (PU PU, GREY OUTSOLE)
- ABSORPTION (35J, HEEL SHOCK)
- RESISTANT SOLE (FUEL OIL)
- ELECTRICAL HAZARD (EH, 18KV)
- SOLE (130°C, RESISTANT)
- SLIP RESISTANT (SRC)

CAUTION: Ensure no metal component embedded in the sole as it may reduce the electrical insulative properties.

JCB SAFETY FOOTWEAR

INDUSTRIAL PROFESSIONAL OCCUPATIONAL

ENGINEERED IN UK

MAKE IN INDIA

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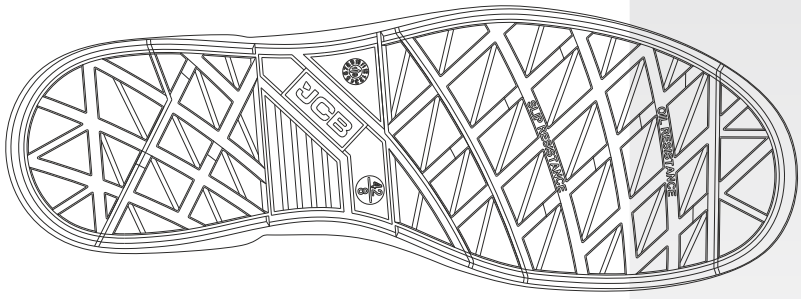

Industries:
General, Engineering, Automobile, Electricians

Environments:
Dry environment, Extreme slippery surfaces, Uneven surfaces, upto 130° c

Maintenance instructions:
To extend the life of your shoes, we recommend to clean them regularly and to protect them with adequate products. Do not dry your shoes on a radiator/Hair Dryer nor nearby a heat source.

	Description	Measure unit	Result	IS 15298(Part 2):2016 EN ISO 20345
Upper Leather	Upper: Tear Strength	n/mm²	262	≥ 120
	Upper: Tensile Strength	n/mm²	26	≥ 15
	Upper: permeability to water vapor	mg/cm²/h	1.19	≥ 0.8
	Upper: water vapor coefficient	mg/cm²	17.6	≥ 15
Lining	**3D-Mesh**			
	Lining: permeability to water vapor	mg/cm²/h	31.1	≥ 2
	Lining: water vapor coefficient	mg/cm²	180	≥ 20
	Lining: abrasion resistance	25,600 Cycles	no hole	no hole
Footbed	**Footbed**			
	Footbed: abrasion resistance	cycles	450	≥ 400
Outsole	**SOLE:PU PU**			
	Outsole Abrasion Resistance (volume loss)	mm³	91	≤ 150
	Flexing Resistance (30,000 cycles)	mm	no growth	≤ 4
	Upper Outsole Bond Strength	n/mm	4.15	≥ 4.0
	Interlayer Bond Strength	n/mm	4.05	≥ 4.0
NEW	Outsole slip resistance *Condition A	COF	0.60	≥ 0.31
NEW	Outsole slip resistance *Condition B	COF	0.60	≥ 0.36
NEW	Outsole slip resistance *Condition C	COF	0.38	≥ 0.19
NEW	Outsole slip resistance *Condition D	COF	0.34	≥ 0.22
	Electrical Insulative (ASTM 2413-18Kv)	**mA**	**0.37mA**	**< 1.0mA**
	Heel Energy Absorption	Joules	≥30	≥ 20
	Resistance Fuel Oil	%	≤ 1.6	≤ 12
Toecap	Hot Contact at 130°C for 1 min.	Centigrade	No melt	No melt
	Impact resistance toecap (clearance after impact 200J)	mm	15.5	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	15.0	≥ 14

*As per IS 15298 (Part 2) : 2024