



## 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.

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

# BORN TOUGH BUILT RELIABLE



### GENERAL & UPPER

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

### TOE CAP

- COMPOSITE TOE

### LINING

- WIDE TOE CAP
- TEXTILE LINING

### IN SOCK

- AERATION HOLES TO REGULAR TEMPERATURE
- CUSHION HEEL & ARCH SUPPORT



### SOLE

- GREY OUTSOLE
- HEEL SHOCK
- RESISTANT SOLE
- ELECTRICAL HAZARD
- RESISTANT SOLE
- SLIP RESISTANT

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



**SAFETY**

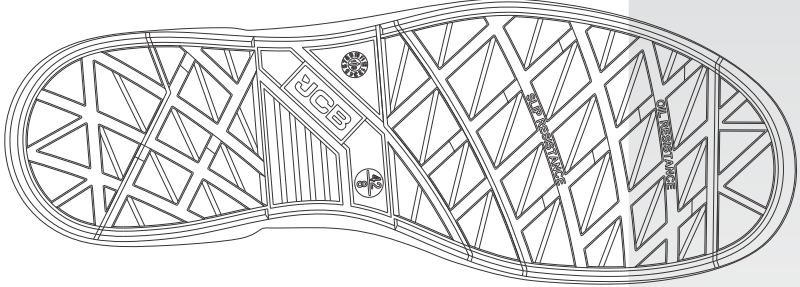
**ELECTRON** 

**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
<b>Upper Leather</b>	Upper: Tear Strength	n/mm <sup>2</sup>	262	≥ 120
	Upper: Tensile Strength	n/mm <sup>2</sup>	26	≥ 15
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	1.19	≥ 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	17.6	≥ 15
<b>Lining</b>	<b>3D-Mesh</b>			
	Lining: permeability to water vapor	mg/cm <sup>2</sup> /h	31.1	≥ 2
	Lining: water vapor coefficient	mg/cm <sup>2</sup>	180	≥ 20
	Lining: abrasion resistance	25,600 Cycles	no hole	no hole
<b>Footbed</b>	<b>Footbed</b>			
	Footbed: abrasion resistance	cycles	450	≥ 400
<b>Outsole</b>	<b>SOLE:PU PU</b>			
	Outsole Abrasion Resistance (volume loss)	mm <sup>3</sup>	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
	Outsole Slip Resistance SRA: Heel	friction	0.41	≥ 0.28
	Outsole Slip Resistance SRA: Flat	friction	0.39	≥ 0.32
	Outsole Slip Resistance SRB: Heel	friction	0.17	≥ 0.13
	Outsole Slip resistance SRB: flat	friction	0.18	≥ 0.18
	<b>Electrical Insulative (ASTM 2413)</b>	<b>Kv</b>	<b>18Kv</b>	<b>&lt; 0.37 mA</b>
	Heel Energy Absorption	Joules	≥30	≥ 20
	Resistance Fuel Oil	%	≤ 1.6	≤ 12
	Hot Contact at 130°C for 1 min.	Centigrade	No melt	No melt
<b>Toecap</b>	Impact resistance toecap (clearance after impact 200J)	mm	19.5	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	15.0	≥ 14

*Our shoes are constantly evolving, the technical data above may change. All product names and brand JCB, are registered and may not to be or reproduced in any format, without written consent from us.*