
# 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.

## BUILT RELIABLE BORN TOUGH

| | |
|---|---|
| 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 |

### 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

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

### SOLE

- DOUBLE DENSITY (PU PU, GREY OUTSOLE)
- ABSORPTION (35J, HEEL SHOCK)
- RESISTANT SOLE (FUEL OIL)
- ELECTRICAL HAZARD (EH)
- 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

IS 15298 (PART 2) CM/L-4867488

info@jcbfootwear.in
www.jcbfootwear.in

JCB
SAFETY FOOTWEAR

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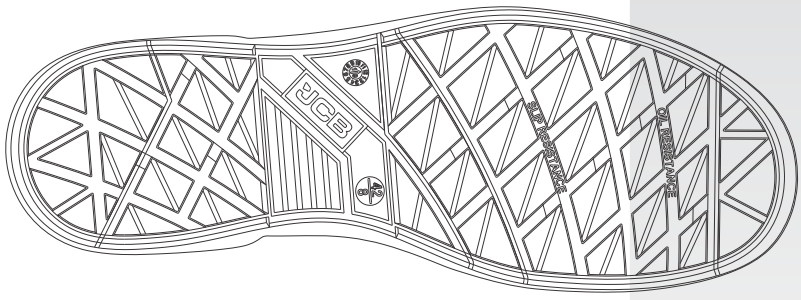

### Industries:
General, Engineering, Automobile, Electricians

### 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 |
| | 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 |
| | Electrical Resistance (ASTM) | KV | 15 | ≥14 |
| | 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 | 19.5 | ≥ 14 |
| | Compression resistance toecap (clearance after compression 15kN) | mm | 15.0 | ≥ 14 |