



## SAFETY

### MIGHTY S1

#### Non Metallic Leather Safety footwear

Mighty 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. Mighty the ideal companion for frequent flyers.

## 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

|  |   |   |  |  |   |
|--|---|---|--|--|---|
| <br>LEATHER UPPER | <br>LIGHT WEIGHT | <br>BREATHABLE UPPER | <br>LACE UP | <br>ODOR REDUCING | <br>NON METALLIC |
|--|---|---|--|--|---|

#### TOE CAP



COMPOSITE TOE

#### LINING



WIDE TOE CAP

#### IN SOCK



AERATION HOLES TO REGULAR TEMPERATURE



CUSHION HEEL & ARCH SUPPORT



#### SOLE



DOUBLE DENSITY



ABSORPTION



RESISTANT SOLE



ANTISTATIC



RESISTANT SOLE



SLIP RESISTANT



ELECTRICAL HAZARD



## SAFETY

### MIGHTY S1

#### Industries:

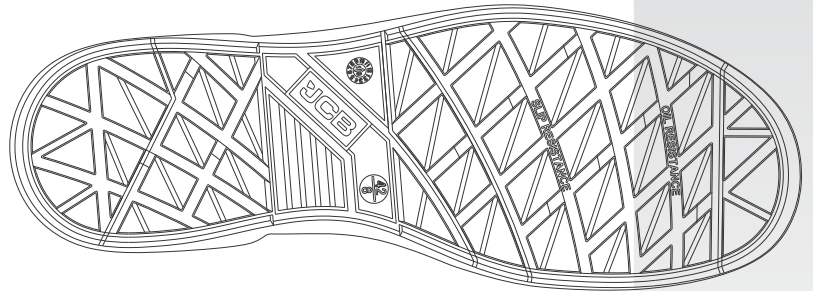
General, Engineering, Automobile, Construction

#### 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<br>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                                |
|                      | Antistatic value   | MegaOhm               | 125       | 0.1 - 1000                            |
|                      | 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.*