



SAFETY

POWERBOOM S1

Sporty Safety Footwear with Enhanced Wearer Comfort.

Powerboom is modern super light weight and highly flexible safety shoe. it offers out standing wearer comfort due to virtually seam free construction, padded collar and tongue. The innovative product is perfectly adapted to the high humid Indian atmosphere for its outstanding air exchange, low weight and optimal climate control. Standing and walking in Powerboom is highly comfortable – all day long.

Upper	Black High Tenacity Synthetic Fiber
Sole	Single Density PU, Black Outsole
Toecap	Steel
Lining	Spacer Mesh
Footbed	EVA Footbed
Safety category	EN ISO 20345 : 2011 & IS 15298 (Part 2): 2016
Sample weight	850 gm. ± 50g. Size 8.
Size range	UK 5-12
Option	ESD, Penetration Resistance

**BORN TOUGH
BUILT RELIABLE**



GENERAL & UPPER



SUPER LIGHT WEIGHT



LACE UP



FLYNET UPPER



HIGHLY BREATHABLE UPPER



VIRTUALLY SEAM FREE



ODOR REDUCING



WASHABLE UPPER

TOE CAP



STEEL TOE



WIDE TOE CAP



TEXTILE LINING

LINING

IN SOCK



AERATION HOLES TO REGULAR TEMPERATURE



CUSHION HEEL & ARCH SUPPORT

SOLE



SINGLE DENSITY



HEEL SHOCK ABSORPTION



RESISTANT SOLE



ANTISTATIC



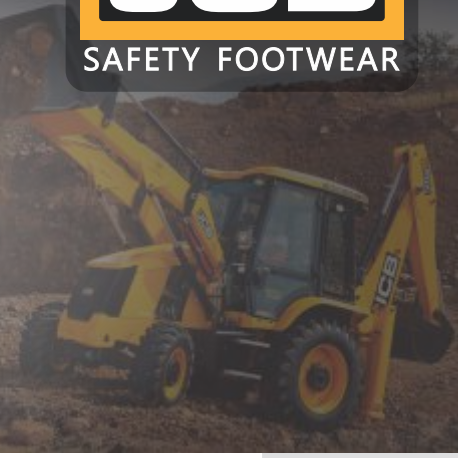
RESISTANT SOLE



SLIP RESISTANT



OPTIONAL ESD



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Industries:

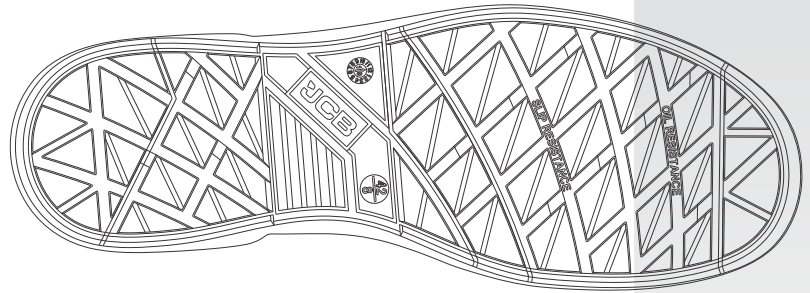
General, Engineering, Automobile, Construction

Environments:

Hot & Humid 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. This is washable footwear.



Description		Measure unit	Result	IS 15298(Part 2):2016 EN ISO 20345
Upper	Upper: Tear Strength	n/mm ²	102	≥ 60
	Upper: permeability to water vapor	mg/cm ² /h	39.1	≥ 0.8
	Upper: water vapor coefficient	mg/cm ²	313.2	≥ 15
Lining	3D-Mesh			
	Lining: permeability to water vapor	mg/cm ² /h	31.1	≥ 2
	Lining: water vapor coefficient	mg/cm ²	180	≥ 20
	Lining: abrasion resistance	25,600 Cycles	no hole	no hole
Footbed	Footbed			
	Footbed: abrasion resistance	cycles	440	≥ 400
Outsole	SOLE:PU			
	Outsole abrasion resistance (volume loss)	mm ³	159	≤ 250
	Flexing resistance (30,000 cycles)	mm	no growth	≤ 4
	Upper outsole bond strength	n/mm	4.15	≥ 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	325	0.1 - 1000
	Heel energy absorption	Joules	≥35.5	≥ 20
	Resistance fuel oil	%	≤ 2.7	≤ 12
	Hot Contact at 130°C for 1 min.	Centigrade	No melt	No melt
	Toecap	Impact resistance toecap (clearance after impact 200J)	mm	19.0
Compression resistance toecap (clearance after compression 15kN)		mm	14.7	≥ 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.



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Comfort-Index

4.6/5

Comfort index is calculated using the mean value of the three index values (IV) for weight, energy absorption seat & water vapour permeability ranging from 0 (= poor) to 5 (= perfect).

ENERGY ABSORPTION SEAT 4.5

More energy absorption, more comfortable underfoot

- Test method: ISO 20344:2011, 5.13
- Test result: 35.5



WEIGHT 4.5

Lightweight feel reduces the onset of fatigue

Weight of the shoe including in-sock

- Test result:
Weight = 425 g/odd UK 8



WATER VAPOUR PERMEABILITY 4.9

Reduced perspiration for a superior foot Comfort

- Test method: ISO 20344:2011, 6.6
- Test result: 39.1 mg/(cm²h)

