



## SAFETY

### SPRINT S1

*Sporty Safety Footwear with Enhanced Wearer Comfort.*

Sprint is modern super light weight and highly flexible safety shoe. It offers outstanding 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 Sprint is highly comfortable – all day long.

Upper	Black and Grey High Tenacity Synthetic Fiber
Sole	Double Density PU, Grey Outsole
Toecap	Steel
Lining	Mesh
Footbed	EVA Footbed
Safety category	EN ISO 20345 : 2011 & IS 15298 (Part 2): 2016
Sample weight	865 gm. ± 50g.   Size 8.
Size range	UK 5-12
Option	ESD, Penetration Resistance

## BUILT RELIABLE BORN TOUGH



#### GENERAL & UPPER

SUPER LIGHT WEIGHT	LACE UP	FLYNET UPPER	HIGHLY BREATHABLE UPPER	VIRTUALLY SEAM FREE
ODOR REDUCING	FRESH SENSE	WASHABLE UPPER		



#### TOE CAP

ST 200J STEEL TOE	WIDE TOE CAP
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#### LINING

TEXTILE LINING
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#### IN SOCK

AERATION HOLES TO REGULAR TEMPERATURE	CUSHION HEEL & ARCH SUPPORT
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#### SOLE

PU PU DOUBLE DENSITY	35J HEEL SHOCK ABSORPTION	FUEL OIL RESISTANT SOLE	ANTISTATIC	130°C RESISTANT SOLE	SRC SLIP RESISTANT	ESD OPTIONAL
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#### Industries:

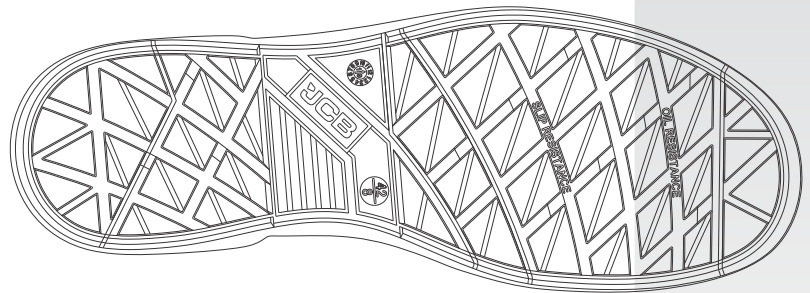
General, Engineering, Automobile, Construction

#### 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
<b>Upper</b>	Upper: Tear Strength	n/mm <sup>2</sup>	102	≥ 60
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	39.1	≥ 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	313.2	≥ 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	440	≥ 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
	Electrical Resistance (ASTM)	KV	15	≥ 14
	Heel Energy Absorption	Joules	≥ 30	≥ 20
Resistance Fuel Oil	%	≤ 1.6	≤ 12	
<b>Toecap</b>	Hot Contact at 130°C for 1 min.	Centigrade	No melt	No melt
	Impact resistance toecap (clearance after impact 200J)	mm	19.0	≥ 14
	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.*



SAFETY FOOTWEAR

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# Comfort-Index

# 4.5/5

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 4.4

Lightweight feel reduces the onset of fatigue

Weight of the shoe including in-sock

- Test result:  
Weight = 435 g/odd UK 8



## WATER VAPOUR PERMEABILITY 4.7

Reduced perspiration for a superior foot Comfort

- Test method: ISO 20344:2011, 6.6
- Test result: 38.1mg/(cm<sup>2</sup>h)

