



## SAFETY

### HYDROMASTER S1 Breathable Slip on Safety footwear



## BUILT RELIABLE BORN TOUGH

Hydromaster is both stylish slip on water resistant safety footwear combined with ease of hand free wearing and highest slip resistance, thanks to its lightweight design, climate-optimized high-tech materials, and ergonomically designed outsole. Hydromaster the ideal companion for the working day and beyond.



Upper	Micro Fiber
Sole	Black Single Density PU
Toecap	Steel
Lining	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

#### GENERAL & UPPER



UPPER MICRO FIBRE



SUPER LIGHT WEIGHT



BREATHABLE UPPER



WATER RESISTANT



#### TOE CAP



STEEL TOE



WIDE TOE CAP

#### LINING



TEXTILE LINING

#### IN SOCK



AERATION HOLES TO REGULAR TEMPERATURE



CUSHION HEEL & ARCH SUPPORT



ODOR REDUCING

#### SOLE



SINGLE DENSITY



HEEL SHOCK ABSORPTION



RESISTANT SOLE



ANTISTATIC



RESISTANT SOLE



SLIP RESISTANT



**SAFETY**

**HYDROMASTER S1**

**Industries:**

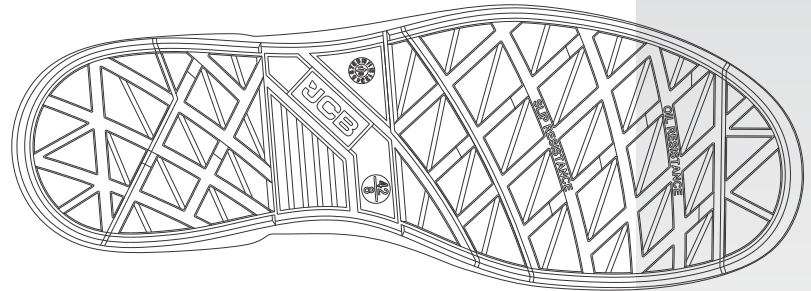
General, Engineering, Automobile, Pharmaceutical

**Environments:**

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.



Description		Measure unit	Result	IS 15298(Part 2):2016 EN ISO 20345
<b>Upper Leather</b>	Upper: Tear Strength	n/mm <sup>2</sup>	162	≥ 120
	Upper: Tensile Strength	n/mm <sup>2</sup>	26	≥ 15
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	1.18	≥ 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	17.8	≥ 15
	Upper: Water Penetration	gm	0.18	≥ 0.2
<b>Lining</b>	Upper: Water Absorption	%	24	≥ 30
	<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</b>			
	Outsole abrasion resistance (volume loss)	mm <sup>3</sup>	149	≤ 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	440	0.1 - 1000
	Heel energy absorption	Joules	≥35	≥ 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	15.5
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 be or reproduced in any format, without written consent from us.*