



Medium

## X1100N81 S3

Mid-cut leather safety shoe with zone traction and tripguard

Upper	Nappa Action Leather
Lining	Cambrella
Footbed	SJ foam footbed
Midsole	Steel
Outsole	PU/Rubber
Toecap	Steel
Safety standard	S3 / SRC
Size range	EU 35-48 / UK 3.0-13.0 US 3.0-13.5 / CM 23.0-31.5
Sample weight	0.770 kg
Norms	EN ISO 20345:2011 ASTM F2413:2018



BLK



**Heel energy absorption**  
Heel energy absorption reduces the impact of jumps or running on the body of the wearer.



**Steel toe cap**  
Robust metal support to protect the feet of the wearer against falling or rolling objects.



**Shoes For Crews**  
Shoes For Crews safety and occupational footwear provides enhanced traction, slip resistance when walking on different slippery surfaces and much more.



**Antistatic**  
Antistatic footwear prevents build-up of static electrical charges and ensures that they are discharged effectively. Volume resistance between 100 KiloOhm and 1 GigaOhm



**S3**  
S3 safety shoes are suitable for work in an environment with high humidity and presence of oil or hydrocarbons. These shoes also protect against perforation risk of the sole, and foot crushing.



**SRC slip resistance**  
Slip resistant soles are one of the most important features of safety and occupational footwear. SRC slip resistant soles pass both SRA and SRB slip resistant tests, they are tested on both steel and ceramic surfaces.

**Industries:**

Automotive, Catering, Chemical, Cleaning, Construction, Food &amp; beverages, Logistics, Oil &amp; Gas, Industry, Uniform

**Environments:**

Dry environment, Wet environment

**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, nor nearby a heat source.

	Description	Measure unit	Result	EN ISO 20345
<b>Upper</b>	<b>Nappa Action Leather</b>			
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	5.1	≥ 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	46.0	≥ 15
<b>Lining</b>	<b>Cambrella</b>			
	Lining: permeability to water vapor	mg/cm <sup>2</sup> /h	33.5	≥ 2
	Lining: water vapor coefficient	mg/cm <sup>2</sup>	269	≥ 20
<b>Footbed</b>	<b>SJ foam footbed</b>			
	Footbed: abrasion resistance	cycles	400	≥ 400
<b>Outsole</b>	<b>PU/Rubber</b>			
	Outsole abrasion resistance (volume loss)	mm <sup>3</sup>	91.9	≤ 150
	Outsole slip resistance SRA: heel	friction	0.49	≥ 0.28
	Outsole slip resistance SRA: flat	friction	0.51	≥ 0.32
	Outsole slip resistance SRB: heel	friction	0.23	≥ 0.13
	Outsole slip resistance SRB: flat	friction	0.34	≥ 0.18
	Antistatic value	MegaOhm	511	0.1 - 1000
	ESD value	MegaOhm	NA	0.1 - 100
	Heel energy absorption	J	36	≥ 20
<b>Toecap</b>	<b>Steel</b>			
	Impact resistance toecap (clearance after impact 100J)	mm	NA	NA
	Compression resistance toecap (clearance after compression 10kN)	mm	NA	NA
	Impact resistance toecap (clearance after impact 200J)	mm	14.5	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	18.5	≥ 14

Sample size: 42

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