

**X330 S3** 

## Low-cut safety shoe with heat resistant outsole

Leather Upper Lining Membrane Footbed SJ foam footbed Midsole Anti-puncture Textile Outsole PU/Rubber Composite Toecap Category S3 / ESD, SRC, WR, CI, HRO EU 36-50 / UK 3.5-14.0 / US 4.0-15.0 Size range JPN 22.5-33.0 / KOR 235-330 Sample 0.700 kg weight ASTM F2413:2018 Norms EN ISO 20345:2011

























Heat resistant outsole (HRO)

The outsole resists high temperatures up to 300°C.



#### Waterproof (WR)

Waterproof footwear prevents liquids to enter into the shoe.



#### Cold insulated (CI)

Cold insulated (CI) safety shoes keep your feet warm. They are worn in cold environments.



#### **Metal free**

Metal free safety shoes are in general lighter than regular safety shoes. They are also very beneficial for professionals who have to pass through metal detectors several times a day.



#### 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.



# Electrostatic Discharge (ESD)

ESD provides the controlled discharge of electrostatic energy that can damage electronic components and avoids risks of ignition resulting from electrostatic charges. Volume resistance between 100 KiloOhm and 100 MegaOhm.



## **Industries:**

Automotive, Catering, Cleaning, Construction, Food & beverages, Logistics, Mining, Oil & Gas, Industry

## **Environments:**

Dry environment, Muddy environment, Uneven surfaces, Warm surfaces, 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
Upper	Leather			
	Upper: permeability to water vapor	mg/cm²/h	7.1	≥ 0.8
	Upper: water vapor coefficient	mg/cm²	64	≥ 15
Lining	Membrane			
	Lining: permeability to water vapor	mg/cm²/h	2.4	≥ 2
	Lining: water vapor coefficient	mg/cm²	23	≥ 20
Footbed	SJ foam footbed			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
Outsole	PU/Rubber			
	Outsole abrasion resistance (volume loss)	mm³	75	≤ 150
	Outsole slip resistance SRA: heel	friction	0.36	≥ 0.28
	Outsole slip resistance SRA: flat	friction	0.44	≥ 0.32
	Outsole slip resistance SRB: heel	friction	0.14	≥ 0.13
	Outsole slip resistance SRB: flat	friction	0.19	≥ 0.18
	Antistatic value	MegaOhm	N/A	0.1 - 1000
	ESD value	MegaOhm	54	0.1 - 100
	Heel energy absorption	J	31	≥ 20
Toecap	Composite			
	Impact resistance toecap (clearance after impact 100J)	mm	N/A	N/A
	Compression resistance toecap (clearance after compression 10kN)	mm	N/A	N/A
	Impact resistance toecap (clearance after impact 200J)	mm	18.5	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	21	≥ 14

Sample size: 42

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