



**Heavy**

## X430 S3

Mid-cut safety shoe with heat resistant outsole

Upper	Leather
Lining	Membrane
Footbed	SJ foam footbed
Midssole	Anti-puncture Textile
Outsole	PU/Rubber
Toecap	Composite
Category	S3 / ESD, SRC, WR, CI, HRO
Size range	EU 36-50 / UK 3.5-14.0 / US 4.0-15.0 JPN 22.5-33.0 / KOR 235-330
Sample weight	0.780 kg
Norms	ASTM F2413:2018 EN ISO 20345:2011



BLK



**Heat resistant outsole (HRO)**  
The outsole resists high temperatures up to 300°C.



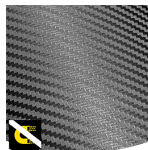
**Waterproof (WR)**  
Waterproof footwear prevents liquids to enter into the shoe.



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



**DGUV BGR 191**  
These shoes are suitable for orthopedic insoles and orthopedic alterations. Certified according to BGR 191.



**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.



**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, Chemical, Cleaning, Construction, Logistics, Mining, Oil &amp; Gas

**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
<b>Upper</b>	<b>Leather</b>			
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	7.1	≥ 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	64	≥ 15
<b>Lining</b>	<b>Membrane</b>			
	Lining: permeability to water vapor	mg/cm <sup>2</sup> /h	2.4	≥ 2
	Lining: water vapor coefficient	mg/cm <sup>2</sup>	23	≥ 20
<b>Footbed</b>	<b>SJ foam footbed</b>			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
<b>Outsole</b>	<b>PU/Rubber</b>			
	Outsole abrasion resistance (volume loss)	mm <sup>3</sup>	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	52	0.1 - 100
	Heel energy absorption	J	31	≥ 20
<b>Toecap</b>	<b>Composite</b>			
	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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