



VOLCANO S3

Mid-cut waterproof ESD safety shoe

Mid-cut waterproof safety shoe with ESD-features & cosmo lining.

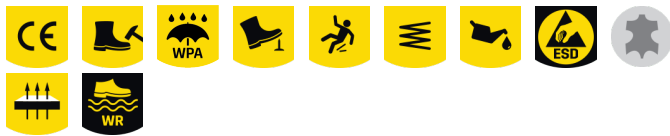
Upper	Pull-up Leather
Lining	Membrane
Footbed	SJ foam footbed
Midsole	Anti-puncture Textile
Outsole	PU/PU
Toecap	Composite
Category	S3 / ESD, SRC, WR
Size range	EU 36-47 / UK 3.5-12.0 / US 4.0-13.0 JPN 22.5-31 / KOR 235-310
Sample weight	0.790 kg
Norms	ASTM F2413:2018 EN ISO 20345:2011



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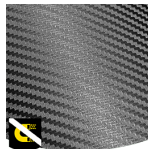
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Waterproof (WR)
Waterproof footwear prevents liquids to enter into the shoe.



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.



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.



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 & Gas, Industry

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
Upper	Pull-up Leather			
	Upper: permeability to water vapor	mg/cm ² /h	7	≥ 0.8
	Upper: water vapor coefficient	mg/cm ²	45	≥ 15
Lining	Membrane			
	Lining: permeability to water vapor	mg/cm ² /h	2.4	≥ 2
	Lining: water vapor coefficient	mg/cm ²	23	≥ 20
Footbed	SJ foam footbed			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
Outsole	PU/PU			
	Outsole abrasion resistance (volume loss)	mm ³	outsole_SRB_1	≤ 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	N/A	≥ 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	N/A	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	N/A	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	N/A	≥ 0.22
	Antistatic value	MegaOhmtoecap_compression_resistance_1	1000	
	ESD value	MegaOhm	77	0.1 - 100
	Heel energy absorption	J	37	≥ 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	16	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	19	≥ 14

Sample size: 42

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