

# **MODULO ARMOR S3S LOW**

Super breathable, abrasion-resistant and metal-free low-cut safety shoe with puncture-resistant midsole and 2-density **PU outsole** 

The MODULO ARMOR S3S low-cut safety shoe offers unbeatable protection and comfort. It offers a breathable, armoured MAX TEK upper, excellent slip resistance and metalfree protection, making it perfect for tough environments.

Upper	Abrasion resistant fabric, Abrasion Resistant Synthetic
Lining	3D-Mesh
Footbed	SJ foam footbed
Midsole	Anti-puncture Textile
Outsole	BASF PU/BASF PU
Тоесар	Nano Carbon
Category	S3S / SR, SC, ESD, CI, FO
Size range	EU 35-50
Sample weight	0.545 kg
Norms	EN ISO 20345:2022+A1:2024 ASTM F2413:2024



































#### **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.



# Oil & fuel resistant

The outsole is resistant against oil and fuel.



#### Nano carbon toecap

Ultralight high-tech material, metalfree with no thermal or electrical conductivity.



# 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.



## **Puncture resistant lightweight**

Metal free, super flexible and ultralight puncture resistant midsole. Covers 100% of the bottom area of the last, no thermal conductivity.



## SJ Foam

Removable comfortable antistatic footbed providing fit, guidance and optimum shock absorption in heel and forefoot. Breathable and moisture absorbing.



#### **Industries:**

Assembly, Automotive, Catering, Cleaning, Industry, Logistics

### **Environments:**

Dry environment, Extreme slippery 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	Abrasion resistant fabric, Abrasion Resistant Synthetic					
	Upper: permeability to water vapor	mg/cm²/h	3.26	≥ 0.8		
	Upper: water vapor coefficient	mg/cm²	27	≥ 15		
Lining	3D-Mesh					
	Lining: permeability to water vapor	mg/cm²/h	60.62	≥ 2		
	Lining: water vapor coefficient	mg/cm²	485	≥ 20		
Footbed	SJ foam footbed					
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	Dry 25600 cycles/Wet 12800 cycles	25600/12800		
Outsole	BASF PU/BASF PU					
	Outsole abrasion resistance (volume loss)	mm³	86	≤ 150		
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.34	≥ 0.31		
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.39	≥ 0.36		
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.32	≥ 0.19		
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.40	≥ 0.22		
	Antistatic value	MegaOhm	23.6	0.1 - 1000		
	ESD value	MegaOhm	40	0.1 - 100		
	Heel energy absorption	J	31	≥ 20		
Toecap	Nano Carbon					
	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	15.5	≥ 14		
	Compression resistance toecap (clearance after compression 15kN)	mm	21.0	≥ 14		

Sample size:

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