SAFETY JOGGER
INDUSTRIAL



Light

ECOMORRIS S1P LOW S1 PS

ECOMORRIS

Eco-Friendly S1P Safety Shoe

ECOMORRIS eco safety shoe with 100% recycled upper, biobased outsole, ultralight midsole and nanocarbon toe cap for sustainable comfort and protection.

Upper	Knitted Recycled Textile (100% recycled)
Lining	Recycled Mesh (100% recycled)
Footbed	SJ Recycled Foam Footbed (96% recycled)
Midsole	Anti-Puncture Nonwoven
Outsole	BIO-based BASF PU
Toecap	Nano Carbon
Category	S1 PS / SR, FO, ESD
Size range	EU 35-48 / UK 3.0-13.0 / US 3.0-13.5 JPN 21.5-31.5 / KOR 230-315
Sample weight	0.450 kg
Norms	ASTM F2413:2018 EN ISO 20345:2022



BLK



Breathable upper
Increased moisture and temperature management for extended wearer comfort.



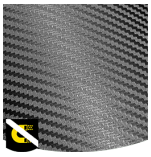
Electrostatic Discharge (ESD)
ESD provides the controlled discharge of electrostatic energy that can damage electronic components and avoids risks of ignition resulting from electrostatic charges. Volume resistance between 100 KiloOhm and 100 MegaOhm.



Slip resistance (SR)
Replaces the previously used term of SRA+SRB=SRC. SR means the slip test has been executed on tiles contaminated with soap and with oil.



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



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.

Industries:
Assembly, Automotive, Industry, Logistics

Environments:
Dry environment, Extreme slippery surfaces, Warm surfaces

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	**Knitted Recycled Textile (100% recycled)**			
	Upper: permeability to water vapor	mg/cm^2/h	39.96	≥ 0.8
	Upper: water vapor coefficient	mg/cm^2	320	≥ 15
Lining	**Recycled Mesh (100% recycled)**			
	Lining: permeability to water vapor	mg/cm^2/h	50.38	≥ 2
	Lining: water vapor coefficient	mg/cm^2	403	≥ 20
Footbed	**SJ Recycled Foam Footbed (96% recycled)**			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	Dry 25600 cycles/Wet 12800 cycles	25600/12800
Outsole	**BIO-based BASF PU**			
	Outsole abrasion resistance (volume loss)	mm^3	91mm^3 (Density:0.45g/cm^3)	≤ 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.34	≥ 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.37	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.22	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.24	≥ 0.22
	Antistatic value	MegaOhm	Dry:52.4 Wet:22.3	0.1 - 1000
	ESD value	MegaOhm	6.1	0.1 - 100
	Heel energy absorption	J	28	≥ 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	20.0	≥ 14

Sample size: 42

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