



## LABOR METAL-FREE S3

LABORMF

The comfortable metal-free all-round safety shoe

Upper	Barton Action Leather
Lining	Mesh
Footbed	SJ foam footbed
Midsole	Anti-puncture Textile
Outsole	Rubber
Toecap	Composite
Category	S3 / SRC, HI, CI, HRO
Size range	EU 35-47 / UK 3.0-12.0 / US 3.0-13.0 JPN 21.5-31 / KOR 230-310
Sample weight	0.701 kg
Norms	ASTM F2413:2018 EN ISO 20345:2011



BLK



**Rubber outsole**  
Rubber outsoles provide versatile functions that make them suitable for many areas of application: excellent cut resistance, heat and cold resistance, high flexibility at cold temperatures, resistance against oil, fuel and many chemicals.



### Heat resistant outsole (HRO)

The outsole resists high temperatures up to 300°C.



### 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.

**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.



### Composite toecap

Metalfree and lightweight, no thermal or electrical conductivity

Industries:

Industry, Cleaning, Chemical, Oil & Gas, Catering, Food & beverages

Environments:

Warm surfaces, Cold environment, Extreme slippery 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	<b>Barton Action Leather</b>			
	Upper: permeability to water vapor	mg/cm²/h	2.2	≥ 0.8
	Upper: water vapor coefficient	mg/cm²	25	≥ 15
Lining	<b>Mesh</b>			
	Lining: permeability to water vapor	mg/cm²/h	59.9	≥ 2
	Lining: water vapor coefficient	mg/cm²	480	≥ 20
Footbed	<b>SJ foam footbed</b>			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
Outsole	<b>Rubber</b>			
	Outsole abrasion resistance (volume loss)	mm³	122	≤ 150
	Outsole slip resistance SRA: heel	friction	0.41	≥ 0.28
	Outsole slip resistance SRA: flat	friction	0.41	≥ 0.32
	Outsole slip resistance SRB: heel	friction	0.23	≥ 0.13
	Outsole slip resistance SRB: flat	friction	0.33	≥ 0.18
	Antistatic value	MegaOhm	22.1	0.1 - 1000
	ESD value	MegaOhm	N/A	0.1 - 100
	Heel energy absorption	J	25	≥ 20
Toecap	<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	17.0	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	21.0	≥ 14

Sample size: 42

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