



**Medium**

## RENA S3

**The comfortable all-round safety shoe**

Surround yourself with comfort and protection wearing the RENA in all conditions. This safety shoe with a rubber outsole has the highest resistance to chemicals, heat, hydrocarbons, acids, and hydrolysis.

Upper	Barton Action Leather
Lining	Mesh
Footbed	SJ foam footbed
Midsole	Steel
Outsole	Rubber
Toecap	Steel
Category	S3 / SR, HI, CI, FO, 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	0.670 kg
Norms	ASTM F2413:2018 EN ISO 20345:2022



BLK



**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.



**Steel midsole**  
Puncture resistant steel midsoles are made from stainless or coated steel and prevent sharp objects from penetrating the outsole.



**Steel toecap**  
Robust metal support to protect the feet of the wearer against falling or rolling objects.



**Water resistant Upper (WRU)**  
Prevents penetration of water if not permanently exposed to high levels.

**Industries:**

Automotive, Chemical, Cleaning, Food & beverages, Logistics, Oil & Gas

**Environments:**

Cold 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
<b>Upper</b>	<b>Barton Action Leather</b>			
	Upper: permeability to water vapor	mg/cm <sup>2</sup> /h	0.92	≥ 0.8
	Upper: water vapor coefficient	mg/cm <sup>2</sup>	15.0	≥ 15
<b>Lining</b>	<b>Mesh</b>			
	Lining: permeability to water vapor	mg/cm <sup>2</sup> /h	59.9	≥ 2
	Lining: water vapor coefficient	mg/cm <sup>2</sup>	480	≥ 20
<b>Footbed</b>	<b>SJ foam footbed</b>			
	Footbed: abrasion resistance (dry/wet) (cycles)	cycles	25600/12800	25600/12800
<b>Outsole</b>	<b>Rubber</b>			
	Outsole abrasion resistance (volume loss)	mm <sup>3</sup>	92	≤ 150
	Basic Slip resistance - Ceramic + NaLS - Forward heel slip	friction	0.40	≥ 0.31
	Basic Slip resistance - Ceramic + NaLS - Backward forepart slip	friction	0.42	≥ 0.36
	SR Slip resistance - Ceramic + glycerin - Forward heel slip	friction	0.32	≥ 0.19
	SR Slip resistance - Ceramic + glycerin - Backward forepart slip	friction	0.34	≥ 0.22
	Antistatic value	MegaOhm	20.5	0.1 - 1000
	ESD value	MegaOhm	N/A	0.1 - 100
	Heel energy absorption	J	32.0	≥ 20
<b>Toecap</b>	<b>Steel</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	19.5	≥ 14
	Compression resistance toecap (clearance after compression 15kN)	mm	22.5	≥ 14

Sample size: 42

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