



Prod. Ref. 34441-XX8
Safety cat. S3 SRC
Range of sizes 48 - 51 (13 - 16)
Weight (sz. 15) 790 g
Shape A
Wide 11

Description: Black water repellent printed leather shoe, **ECODRY** lining, antistatic, anti-shock, slipping resistant, with stainless steel midsole.

Plus: Bellows tongue.

Suggested uses: Engineering jobs, maintenance jobs, buildings, industries.

Care and maintenance: Clean after each use and dry off away from direct heat; treat the leather with a suitable shoe-polish. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water.

MATERIALS / ACCESSORIES

Complete shoe	Toe cap: steel made, varnished with epoxy resin, impact resistant until 200 J and compression resistant until 1500 kg
	Anti perforation midsole: stainless steel, penetration resistance, varnished with epoxy resin
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges
	Energy absorption system: polyurethane low density and heel profile
Upper	Black water repellent printed leather thickness 1,8/2,0 mm
Vamp lining	Felt, breathable, colour dark grey thickness 1,2 mm
Quarter lining	Ecodry , breathable, abrasion resistant, colour black thickness 1,2 mm
Insole	Antistatic, absorbent, abrasion and flaking resistant..
Sole	Antistatic dual-density Polyurethane directly injected in the upper: Outsole: black, high density, slipping resistant, abrasion resistant and hydrocarbons resistant, Midsole: black, low density, comfortable and anti-shock Adherence coefficient of the sole

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	17	⬇ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	16	⬇ 14
6.2.1	Penetration resistance	N	1160	⬇ 1100
6.2.2.2	Electric resistance			
	- wet	M _Ω	82,9	⬇ 0.1
	- dry	M _Ω	234	↑ 1000
6.2.4	Shock absorption	J	> 28	⬇ 20
5.4.6	Water vapour permeability	mg/cmq h	> 2	⬇ 0,8
	Permeability coefficient	mg/cmq	> 24,5	> 15
6.3.1	Water resistance	minutes	> 60	> 60
5.5.3	Water vapour permeability	mg/cmq h	> 4,7	⬇ 2
	Permeability coefficient	mg/cmq	> 40,6	⬇ 20
5.5.3	Water vapour permeability	mg/cmq h	> 2,2	⬇ 2
	Permeability coefficient	mg/cmq	> 18,9	⬇ 20
5.7.4.1	Abrasion resistance	cycle	> 400	⬇ 400
5.8.3	Abrasion resistance (lost volume)	mm ³	47	↑ 150
5.8.4	Flexing resistance (cut increase)	mm	3	↑ 4
5.8.6	Interlayer bond strength	N/mm	> 5	⬇ 4
6.4.2	Hydrocarbons resistance (*V = volume increase)	%	1,1	↑ 12
5.3.5	SRA : ceramic + detergent solution – flat		0,45	⬇ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		0,34	⬇ 0,28
	SRB : steel + glycerol – flat		0,23	⬇ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		0,18	⬇ 0,13

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