

Prod. Ref.	FW110-000
Safety cat.	S3 SRC
Range of sizes	38 - 48
Weight (sz. 42)	560 g
Shape	A
Wide	11

Description: Black water repellent printed leather shoe, **Sany-Dry®** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: Footwear completely free from metal parts. Footbed **AIR** made of EVA and fabric, antistatic, it guarantees high stability thanks to its different thicknesses in the plantar area. Dual density PU with an aggressive style. The prominent toe cap and heel area protect the upper from wearing and abrasion. Padded collar, bellows tongue.

Suggested uses: Engineering jobs, maintenance jobs, 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

SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
Complete shoe	Toe cap: non metallic fiber glass toe cap, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.3	Shock resistance (clearance after shock)	mm	16	⬇ 14
		5.3.2.4	Compression resistance (clearance after compression)	mm	15	⬇ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1	Penetration resistance	N	To 1100 N	⬇ 1100
					No perforation	
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	M ⚡	120	⬇ 0.1
			- dry	M ⚡	820	↑ 1000
		6.2.4	Shock absorption	J	> 34	⬇ 20
	Energy absorption system: polyurethane low density and heel profile	5.4.6	Water vapour permeability	mg/cmq h	> 2,2	⬇ 0,8
			Permeability coefficient	mg/cmq	> 26,1	> 15
Upper	Black water repellent printed leather thickness 1,6/1,8 mm	6.3.1	Water resistance	minutes	> 60	> 60
		5.5.3	Water vapour permeability	mg/cmq h	> 5,2	⬇ 2
Vamp	Felt, breathable, colour dark grey Thickness 1,2 mm		Permeability coefficient	mg/cmq	> 42,2	⬇ 20
		5.5.3	Water vapour permeability	mg/cmq h	> 12,1	⬇ 2
lining	Sany-Dry® , breathable, abrasion resistant, colour black thickness 1,2 mm		Permeability coefficient	mg/cmq	> 169,3	⬇ 20
		5.5.3	Water vapour permeability	mg/cmq h	> 12,1	⬇ 2
Quarter	Antistatic double-density Polyurethane directly injected in the upper:	5.8.3	Abrasion resistance (lost volume)	mm³	67	↑ 150
		5.8.4	Flexing resistance (cut increase)	mm	3	↑ 4
lining	Outsole: black, high density, slipping resistant, abrasion resistant and hydrocarbons resistant,	5.8.6	Interlayer bond strength	N/mm	> 5	↑ 4
		6.4.2	Hydrocarbons resistance (⚡ = volume increase)	%	0,8	↑ 12
Sole	Midsole: black, low density, comfortable and anti-shock Adherence coefficient of the sole	5.3.5	SRA : ceramic + detergent solution – flat		0,43	⬇ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,4	⬇ 0,28
			SRB : steel + glycerol – flat		0,2	⬇ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		0,15	⬇ 0,13