



Description: Black water repellent full grain leather shoe, **SANY-DRY**® lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: **EVANIT** footbed, made of EVA and nitrile special compound, with high bearing capacity and variable thickness. Thermoformed, punched and coated with highly breathable fabric. Antistatic thanks to a specific treatment on the surface and to seams made of conductive yarns. Perfumed sole. Bellows tongue

Suggested uses: Construction, maintenance, 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.

Prod. Ref. 78431-002
Safety cat. S3 SRC
Range of sizes 39 - 47 (6 - 12)
Weight (sz. 8) 540 g
Shape A
Width 11

MATERIALS / ACCESSORIES

SAFETY TECHNICAL SPECIFICATIONS

Complete shoe	Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
Toe cap: ALUMINIUM made, ultra light, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.3	Shock resistance (clearance after shock)	mm	16	≥ 14
Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	5.3.2.4	Compression resistance (clearance after compression)	mm	15	≥ 14
	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	MΩ	11,9	≥ 0,1
		- wet			
		- dry	MΩ	885	≤ 1000
Energy absorption system	6.2.4	Shock absorption	J	31	≥ 20
Black water repellent full grain leather thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	> 1,2	≥ 0,8
		Permeability coefficient	mg/cmq	> 17,3	> 15
	6.3.1	Water absorption		14%	≤ 30%
		Water penetration		0,0 g	≤ 0,2 g
	5.5.3	Water vapour permeability	mg/cmq h	> 6	≥ 2
		Permeability coefficient	mg/cmq	> 48	≥ 20
	5.5.3	Water vapour permeability	mg/cmq h	> 9,8	≥ 2
		Permeability coefficient	mg/cmq	> 78,5	≥ 20
	5.8.3	Abrasion resistance (lost volume)	mm ³	52	≤ 150
	5.8.4	Flexing resistance (cut increase)	mm	2	≤ 4
	5.8.5	Interlayer bond strength	N/mm	> 5	≥ 4
	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	+ 0,7	≤ 12
	5.3.5	SRA : ceramic + detergent solution – flat		0,52	≥ 0,32
		SRA : ceramic + detergent solution – heel (contact angle 7°)		0,42	≥ 0,28
		SRB : steel + glycerol – flat		0,23	≥ 0,18
		SRB : steel + glycerol – heel (contact angle 7°)		0,16	≥ 0,13