



Prod. Ref. FW400-000
Safety cat. S3 SRC
Range of sizes 36 - 48 (3 - 13)
Weight (sz. 8) 560 g
Shape A
Width 11

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

Plus: 100% METAL FREE. 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. Dual density PU with an aggressive style. The prominent toe cap and heel area protect the upper from wearing and abrasion

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.

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 No Perforation	≥ 1100
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	120	≥ 0.1
			- dry	MΩ	820	≤ 1000
	Energy absorption system Black water repellent leather Thickness 1,6/1,8 mm	6.2.4	Shock absorption	J	34	≥ 20
		5.4.6	Water vapour permeability	mg/cmq h	> 2,2	≥ 0,8
			Permeability coefficient	mg/cmq	> 26,1	> 15
		6.3.1	Water absorption		16%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
Vamp	Felt, breathable, colour dark grey Thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 5,2	≥ 2
			Permeability coefficient	mg/cmq	> 42,2	≥ 20
Quarter	SANY-DRY® , breathable, abrasion resistant, colour black thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 12,1	≥ 2
			Permeability coefficient	mg/cmq	> 169,3	≥ 20
Sole	Antistatic dual-density polyurethane directly injected in the upper: Outsole: black, high density, slipping resistant, abrasion resistant and hydrocarbons resistant,	5.8.3	Abrasion resistance (lost volume)	mm ³	67	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	3	≤ 4
		5.8.5	Interlayer bond strength	N/mm	> 5	≥ 4
	Midsole: black, low density, comfortable and anti-shock Adherence coefficient of the sole	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	0,8	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		0,43	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,40	≥ 0,28
			SRB : steel + glycerol – flat		0,20	≥ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		0,15	≥ 0,13

