



Prod. Ref. 36570-N01
Safety cat. S3L FO SR
Range of sizes 36 - 48 (3 - 13)
Weight (sz. 8) 555 g
Shape A
Width (3 - 6) 10
Width (6,5 - 13) 11

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

Plus: METAL FREE. LIGHT FOAM footbed, made of extremely soft and comfortable polyurethane foam. Punched, antistatic, its anatomical shape provides support to the plantar arch; covered with abrasion resistant fabric, it absorbs moisture and keeps always the foot dry; it guarantees excellent comfort and shock absorption. Perfumed sole

Suggested uses: Footwear for uniforms, occupational and service

Care and maintenance: Clean after each use and dry off away from direct heat. 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 20345:2022	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	5.3.2.6	Shock resistance (clearance after shock)	mm	15	≥ 14
		5.3.2.7	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 (PL requirement with Ø 4,5 mm nail)	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 - dry	MΩ MΩ	157 477	≥ 0.1 ≤ 1000
Upper	Energy absorption system Black water repellent full grain leather thickness 1,8/2,0 mm	6.2.4	Shock absorption	J	27	≥ 20
		5.4.6	Water vapour permeability Permeability coefficient	mg/cmq h mg/cmq	> 6,4 > 56,7	≥ 0,8 ≥ 15
		6.3	Water absorption Water penetration		13% 0,0 g	≤ 30% ≤ 0,2 g
Vamp lining	Gabardine , breathable, colour beige thickness 1,2 mm	5.5.4	Water vapour permeability Permeability coefficient	mg/cmq h mg/cmq	> 5,2 > 43,6	≥ 2 ≥ 20
		Quarter lining	Leather, breathable, abrasion resistant, colour light brown thickness 0,9 mm	5.5.4	Water vapour permeability Permeability coefficient	mg/cmq h mg/cmq
Sole	Antistatic Polyurethane/TPU directly injected in the upper: Outsole: black TPU, slipping resistant, abrasion resistant and hydrocarbons resistant. Midsole: black polyurethane, low density, comfortable and anti-shock			5.8.4	Abrasion resistance (lost volume)	mm ³
		5.8.5	Flexing resistance (cut increase)	mm	2,1	≤ 4
		5.8.7	Interlayer bond strength	N/mm	4,1	≥ 3
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	4	≤ 12
		5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°) ceramic + detergent solution – heel (contact angle 7°)		0,38 0,42	≥ 0,36 ≥ 0,31
Adherence coefficient of the sole (Slip resistance)		6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°) SR : ceramic + glycerol – heel (contact angle 7°)		0,24 0,29	≥ 0,22 ≥ 0,19