



Prod. Ref.	37120-N00
Safety cat.	S3S HI CI HRO LG SC FO SR
Range of sizes	36 - 48 (3 - 13)
Weight (sz. 8)	710 g
Shape	B
Widht (3 - 6)	10
Widht (6,5 - 13)	11

Description: Black water repellent printed leather ankle boot, **SANY-DRY**[®] lining, antistatic, anti-shock, slipping resistant, non metallic **APT PLUS** midsole **Zero Perforation**

Plus: FOOT-PAD footbed, extremely soft and comfortable footbed. Thanks to the very low density polyurethane, the footbed is self-molding granting a right distribution of the body weight and providing an immediate feeling of comfort. High shock absorption is provided from highly resilient material and a perfect cushion in the central area of the heel. **ANTI TORSION SUPPORT** made of polycarbonate and fibreglass conveniently placed between heel and sole, which provides support and protection of the plantar arch, thus preventing harmful bendings and/or unwilling torsion. Outsole resistant to +300°C (1 minute contact). Footwear equipped with a particularly abrasion-resistant material on the toe area (**SC**). Sole design especially conceived for safer standing on ladder rungs (**LG**). Provided with **SCATTO** quick release system

Suggested uses: footwear for iron industry

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 FIBERGLASS 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	16	≥ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1	Penetration resistance (PS requirement with Ø 3,0 mm nail)	N	To 1100 N No perforation	≥ 1100
		6.2.2.2	Electric resistance - wet - dry	MΩ MΩ	93.41 298	≥ 0.1 ≤ 1000
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.3.1	Heat insulation (temp. increase after 30' at 150 °C)	°C	11,5	≤ 22
	Heat insulation	6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	6	≤ 10
	Cold insulation	6.2.4	Shock absorption	J	30	≥ 20
	Energy absorption system	5.4.6	Water vapour permeability	mg/cmq h	> 2	≥ 0,8
	Upper		Permeability coefficient	mg/cmq	> 23,5	≥ 15
		6.3	Water absorption Water penetration		9,5% 0,0 g	≤ 30% ≤ 0,2 g
Vamp	5.5.4	Water vapour permeability	mg/cmq h	> 5	≥ 2	
lining		Permeability coefficient	mg/cmq	> 41,9	≥ 20	
Quarter	5.5.4	Water vapour permeability	mg/cmq h	> 64,4	≥ 2	
lining		Permeability coefficient	mg/cmq	> 515,4	≥ 20	
Sole	5.8.4	Abrasion resistance (lost volume)	mm ³	112	≤ 150	
		5.8.5	Flexing resistance (cut increase)	mm	2	≤ 4
	5.8.7	Interlayer bond strength	N/m	4,2	≥ 3	
	6.4.4	Hot resistance (300 °C)	----	any melting	any melting	

Adherence coefficient of the sole (Slip resistance)

6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	10	≤ 12
5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		0,40	$\geq 0,36$
	ceramic + detergent solution – heel (contact angle 7°)		0,35	$\geq 0,31$
6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		0,27	$\geq 0,22$
	SR : ceramic + glycerol – heel (contact angle 7°)		0,32	$\geq 0,19$