

Prod. Ref. 78470-N00
Safety cat. S3S CI FO SR
Range of sizes 36 - 48 (3 - 13)
Weight (sz. 8) 610 g
Shape B
Width 11

Description: Black water repellent grain 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. Perfumed sole.

Suggested uses: Construction, maintenance, industries

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: ALUMINIUM made, ultra light, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.6	Shock resistance (clearance after shock)	mm	15,5	≥ 14
		5.3.2.7	Compression resistance (clearance after compression)	mm	20,5	≥ 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
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	57,31	≥ 0.1
			- dry	MΩ	79,86	≤ 1000
	Cold insulation	6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	6	≤ 10
	Energy absorption system	6.2.4	Shock absorption	J	35	≥ 20
	Upper Black water repellent grain leather thickness 1,8/2,0 mm	5.4.6	Water vapour permeability	mg/cmq h	> 2,3	≥ 0,8
			Permeability coefficient	mg/cmq	> 26,8	≥ 15
		6.3	Water absorption		16%	≤ 30%
Vamp	Textile, breathable, abrasion resistant, colour black		Water penetration		0,0 g	≤ 0,2 g
lining	Thickness 1,2 mm	5.5.4	Water vapour permeability	mg/cmq h	> 84,7	≥ 2
			Permeability coefficient	mg/cmq	> 677,4	≥ 20
Quarter	SANY-DRY® , breathable, abrasion resistant, colour red	5.5.4	Water vapour permeability	mg/cmq h	> 64,4	≥ 2
lining	thickness 1,2 mm		Permeability coefficient	mg/cmq	> 515,4	≥ 20
Sole	Antistatic Polyurethane/TPU made of recycled rubber granules , directly injected in the upper:	5.8.4	Abrasion resistance (lost volume)	mm ³	110	≤ 150
	Outsole: ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.	5.8.5	Flexing resistance (cut increase)	mm	2,4	≤ 4
	Midsole: black polyurethane, low density, comfortable and anti-shock.	5.8.7	Interlayer bond strength	N/mm	3,5	≥ 3
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	2,3	≤ 12
	Adherence coefficient of the sole (Slip resistance)	5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		0,61	≥ 0,36
			ceramic + detergent solution – heel (contact angle 7°)		0,48	≥ 0,31
		6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		0,24	≥ 0,22
			SR : ceramic + glycerol – heel (contact angle 7°)		0,46	≥ 0,19