



Prod. Ref. 18550-000
Safety cat. S3L FO SR
Range of sizes 39 - 48 (6 - 13)
Weight (sz. 8) 530 g
Shape B
Width 11

Description: Black water repellent Pull-Up Nubuck ankle boot, **SANY-DRY**[®] lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** 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. **TPU toe cap protection**

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

		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	≥ 14
		5.3.2.7	Compression resistance (clearance after compression)	mm	18	≥ 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	MΩ	79,6	≥ 0.1
			- dry	MΩ	325	≤ 1000
	Energy absorption system	6.2.4	Shock absorption	J	26	≥ 20
Upper	Black water repellent Pull-Up Nubuck thickness 1,8//2,0 mm	5.4.6	Water vapour permeability	mg/cmq h	> 4,1	≥ 0,8
			Permeability coefficient	mg/cmq	> 50,5	≥ 15
		6.3	Water absorption		10%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.4	Water vapour permeability	mg/cmq h	> 6,3	≥ 2
			Permeability coefficient	mg/cmq	> 51,1	≥ 20
Quarter	SANY-DRY [®] , breathable, abrasion resistant, colour silver	5.5.4	Water vapour permeability	mg/cmq h	> 10,3	≥ 2
			Permeability coefficient	mg/cmq	> 82,8	≥ 20
lining	thickness 1,2 mm	5.8.4	Abrasion resistance (lost volume)	mm ³	89	≤ 150
		5.8.5	Flexing resistance (cut increase)	mm	1,6	≤ 4
Quarter	thickness 1,2 mm	5.8.7	Interlayer bond strength	N/mm	3,1	≥ 3
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	6,5	≤ 12
Sole	Antistatic Polyurethane/TPU directly injected in the upper:	5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		0,40	≥ 0,36
			ceramic + detergent solution – heel (contact angle 7°)		0,33	≥ 0,31
		6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		0,26	≥ 0,22
	Outsole: ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.		SR : ceramic + glycerol – heel (contact angle 7°)		0,24	≥ 0,19
	Midsole: black polyurethane, low density, comfortable and anti-shock.					
	Adherence coefficient of the sole (Slip resistance)					

SAFETY TECHNICAL SPECIFICATIONS