



Prod. Ref.	PE300-000
Safety cat.	S3S SC FO SR
Range of sizes	35 - 48 (2 - 13)
Weight (sz. 8)	530 g
Shape	A
Width	11

Description: Black/grey **TECHSHELL**, innovative, very tough, abrasion resistant, water repellent and breathable fabric shoe, **SANY-DRY**[®] lining, antistatic, anti-shock, slipping resistant, with non metallic **APT PLUS** midsole - type **PS** with Ø 3,0 mm nail.

Plus: **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. **LYCRA**[®] padded fort which hugs the foot, making it stable and enhancing comfort.

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	16	≥ 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	6.2.1.1.4	Penetration resistance (PS requirement with Ø 3,0 mm nail)	N	1612	≥ 1100
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance - wet - dry	MΩ MΩ	12,35 77	≥ 0.1 ≤ 1000
Upper	Energy absorption system TECHSHELL , innovative, very tough, abrasion resistant, water repellent and breathable fabric, colour black/grey	6.2.4	Shock absorption	J	30	≥ 20
		5.4.6	Water vapour permeability	mg/cmq h	> 4,1	≥ 0,8
			Permeability coefficient	mg/cmq	> 33,2	≥ 15
		6.3	Water absorption Water penetration		13,9% 0,0 g	≤ 30% ≤ 0,2 g
Vamp lining	Textile, breathable, abrasion resistant, colour black Thickness 1,2 mm	5.5.4	Water vapour permeability	mg/cmq h	> 4,1	≥ 2
			Permeability coefficient	mg/cmq	> 47,2	≥ 20
Quarter lining	SANY-DRY [®] , breathable, abrasion resistant, colour black thickness 1,2 mm	5.5.4	Water vapour permeability	mg/cmq h	> 9,4	≥ 2
			Permeability coefficient	mg/cmq	> 76,4	≥ 20
Sole	Antistatic dual-density polyurethane directly injected in the upper: Outsole: ice, high density, slipping resistant, abrasion resistant and hydrocarbons resistant, Midsole: black, low density, comfortable and anti-shock	5.8.4	Abrasion resistance (lost volume)	mm ³	48	≤ 150
		5.8.5	Flexing resistance (cut increase)	mm	0	≤ 4
	5.8.7	Interlayer bond strength	N/mm	3,4	≥ 3	
	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	1,6	≤ 12	
	Adherence coefficient of the sole (Slip resistance)	5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		0,41	≥ 0,36
			ceramic + detergent solution – heel (contact angle 7°)		0,35	≥ 0,31
	6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		0,37	≥ 0,22	
		SR : ceramic + glycerol – heel (contact angle 7°)		0,42	≥ 0,19	