



Prod. Ref.	37580-N00
Safety cat.	S3S SC LG FO SR
Range of sizes	39 - 48 (6 - 13)
Weight (sz. 8)	555 g
Shape	A
Widht (6)	10
Widht (6,5 - 13)	11

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

Plus: **METAL FREE. 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. Perfumed sole. Footwear equipped with a particularly abrasion-resistant material on the toe area (**SC**). Sole design especially conceived for safer standing on ladder rungs (**LG**).

Suggested uses: Construction, maintenance, warehouses, transportation sector, 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: 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	18	≥ 14
		5.3.2.7	Compression resistance (clearance after compression)	mm	14,5	≥ 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	1313	≥ 1100
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	51	≥ 0.1
			- dry	MΩ	134	≤ 1000
	Energy absorption system	6.2.4	Shock absorption	J	33	≥ 20
Upper	TECHSHELL , innovative, very tough, abrasion resistant, water repellent and breathable fabric, colour black	5.4.6	Water vapour permeability	mg/cmq h	> 5	≥ 0,8
			Permeability coefficient	mg/cmq	> 41.5	≥ 15
		6.3	Water absorption		13,37%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
Upper	Black water repellent printed leather Thickness 1,8/2,0 mm	5.4.6	Water vapour permeability	mg/cmq h	> 1,9	≥ 0,8
			Permeability coefficient	mg/cmq	> 21,6	≥ 15
		6.3	Water absorption		13,9%	≤ 30%
			Water penetration		0,14 g	≤ 0,2 g
Vamp	Textile, breathable, abrasion resistant, colour black 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 orange thickness 1,2 mm	5.5.4	Water vapour permeability	mg/cmq h	> 64,4	≥ 2
			Permeability coefficient	mg/cmq	> 515,4	≥ 20
Sole	Antistatic Polyurethane/TPU directly injected in the upper: Outsole: black TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.	5.8.4	Abrasion resistance (lost volume)	mm ³	102	≤ 150
		5.8.5	Flexing resistance (cut increase)	mm	0,9	≤ 4

Midssole: black polyurethane, low density, comfortable and anti-shock.

Adherence coefficient of the sole (Slip resistance)

5.8.7	Interlayer bond strength	N/mm	3,7	≥ 3
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	2,2	≤ 12
5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		0,41	≥ 0,36
	ceramic + detergent solution – heel (contact angle 7°)		0,42	≥ 0,31
6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		0,25	≥ 0,22
	SR : ceramic + glycerol – heel (contact angle 7°)		0,28	≥ 0,19