



Prod. Ref.	78802-009
Safety cat.	S3 SRC
Range of sizes	35 - 48 (2 - 13)
Weight (sz. 8)	520 g
Shape	A
Width	11

Description: Black **TECHSHELL**, innovative, very tough, abrasion resistant, water repellent and breathable fabric shoe, **SANY-DRY**[®] lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: **One piece upper without stitching, breathable, abrasion resistant and tear resistant. COFRA SOFT** footbed, made of scented polyurethane, holed, antistatic, anatomic, soft and comfortable; the shape of the bottom part guarantees impact energy absorption; the upper part absorbs moisture and keeps the foot dry. Perfumed sole.

TPU toe cap protection

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 20345:2011	Description	Unit	Cofra result	Requirement		
Complete shoe	Toe cap: ALUMINIUM made, ultra light, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.3	Shock resistance (clearance after shock)	mm	15,5	≥ 14		
		5.3.2.4	Compression resistance (clearance after compression)	mm	15	≥ 14		
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1	Penetration resistance	N	To 1100 N	≥ 1100		
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance		No perforation			
			- wet	MΩ	389	≥ 0.1		
			- dry	MΩ	706	≤ 1000		
	Energy absorption system	6.2.4	Shock absorption	J	28	≥ 20		
Upper	TECHSHELL , innovative, very tough, abrasion resistant, water repellent and breathable fabric, colour black	5.4.6	Water vapour permeability	mg/cmq h	> 1,8	≥ 0,8		
			Permeability coefficient	mg/cmq	> 15,7	> 15		
			6.3.1	Water absorption		15%	≤ 30%	
				Water penetration		0,0 g	≤ 0,2 g	
		5.4.3	Tear resistance	N	233	≥ 60		
			Abrasion resistance	Cycle	> 600.000			
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	> 6,3	≥ 2		
			Permeability coefficient	mg/cmq	> 51,1	≥ 20		
Quarter	SANY-DRY [®] , breathable, antibacterial, abrasion resistant, colour orange	5.5.3	Water vapour permeability	mg/cmq h	> 10,3	≥ 2		
			Permeability coefficient	mg/cmq	> 82,8	≥ 20		
lining	thickness 1,2 mm	5.8.3	Abrasion resistance (lost volume)	mm ³	37	≤ 150		
			5.8.4	Flexing resistance (cut increase)	mm	1	≤ 4	
				5.8.5	Interlayer bond strength	N/mm	3,8	≥ 3
					6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	1,3
				5.3.5		SRA : ceramic + detergent solution – flat		0,60
	SRA : ceramic + detergent solution – heel (contact angle 7°)		0,52		≥ 0,28			
Sole	Antistatic Polyurethane/TPU directly injected in the upper:	5.8.4	SRB : steel + glycerol – flat		0,28	≥ 0,18		
				SRB : steel + glycerol – heel (contact angle 7°)		0,19	≥ 0,13	
	Outsole: Ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.	5.8.4	Flexing resistance (cut increase)	mm	1	≤ 4		
	Midsole: Black polyurethane, low density, comfortable and anti-shock.	5.8.5	Interlayer bond strength	N/mm	3,8	≥ 3		
	Adherence coefficient of the sole	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	1,3	≤ 12		
		5.3.5	SRA : ceramic + detergent solution – flat		0,60	≥ 0,32		
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,52	≥ 0,28		
			SRB : steel + glycerol – flat		0,28	≥ 0,18		
			SRB : steel + glycerol – heel (contact angle 7°)		0,19	≥ 0,13		

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