



Prod. Ref.	80820-000
Safety cat.	S3 WR HRO SRC
Range of sizes	40 - 47 (6,5 - 12)
Weight (sz. 8)	730 g
Shape	B
Width	11

Description: Brown water repellent Pull-Up nubuck ankle boot, **SANY-DRY**[®] lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: Full **SOFT-BED** footbed made of soft and scented polyurethane, antistatic, anatomic, holed, soft and comfortable. The upper layer absorbs moisture and keeps the foot dry. Cold and heat insulation. Arch 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. Outsole resistant to +300°C (1 minute contact). Perfumed sole. **Sealed seams. TPU heel stabilizer**

Suggested uses: Construction, maintenance, industries.

Care and maintenance: Clean after each use and dry off away from direct heat; treat the leather with a suitable shoe-polish. 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
Whole footwear	Water resistance	5.15.1	Water resistance (area of water penetration after 1000 paces in a surface flooded with water)	cm ²	≤ 3	≤ 3
Complete shoe	Toe cap: non metallic TOP RETURN toe cap, 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	110	≥ 0.1
		- dry	MΩ	680	≤ 1000	
		6.2.4	Shock absorption	J	34	≥ 20
Upper	Brown water repellent Pull-Up nubuck thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	> 3,8	≥ 0,8
			Permeability coefficient	mg/cmq	> 35,2	> 15
		6.3.1	Water absorption		22%	≤ 30%
Vamp	Textile, breathable, abrasion resistant, colour black thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 8,9	≥ 2
			Permeability coefficient	mg/cmq	> 72	≥ 20
Quarter	SANY-DRY [®] , antibacterial, breathable, abrasion resistant, colour orange thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 11,5	≥ 2
			Permeability coefficient	mg/cmq	> 92,8	≥ 20
Sole	Polyurethane/Nitrile rubber, antistatic, resistant to high temperatures, directly injected in the upper:	5.8.3	Abrasion resistance (lost volume)	mm ³	98	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	1	≤ 4
		5.8.6	Interlayer bond strength	N/m	> 5	≥ 4
		6.4.4	Hot resistance (300 °C)	----	any melting	any melting
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	1,8	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		0,55	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		0,51	≥ 0,28
Adherence coefficient of the sole		SRB : steel + glycerol – flat		0,23	≥ 0,18	

