



Prod. Ref.	12820-000
Safety cat.	S3 WR SRC
Range of sizes	40 - 47 (6,5 - 12)
Weight (sz. 8)	655 g
Shape	B
Width	11

Description: Light brown/black water repellent Pull-Up nubuck and nylon **CORDURA**[®] ankle boot, **GORE-TEX**[®] **Performance Comfort Footwear** membrane lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: **EVANIT** footbed, made of EVA and nitrile special compound, with high bearing capacity and variable thickness. Thermoformed, punched and coated with highly breathable fabric. Antistatic thanks to a specific treatment on the surface and to seams made of conductive yarns. **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

Suggested uses: Construction, maintenance, industries. Footwear for wet environments

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	Description	Unit	Cofra result	Requirement
20345:2011						
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	≥ 14
		5.3.2.4	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	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	12	≥ 0.1
			- dry	MΩ	461	≤ 1000
	Energy absorption system	6.2.4	Shock absorption	J	34	≥ 20
Upper	Light brown water repellent Pull-Up nubuck thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	> 4,5	≥ 0,8
			Permeability coefficient	mg/cmq	> 43,2	> 15
Upper	Black water repellent nylon CORDURA [®]	6.3.1	Water absorption		21%	≤ 30%
			Water penetration		0,1 g	≤ 0,2 g
Quarter lining	GORE-TEX [®] membrane, breathable and abrasion resistant, colour grey thickness 1.2 mm	5.4.6	Water vapour permeability	mg/cmq h	> 4,1	≥ 0,8
			Permeability coefficient	mg/cmq	> 40,5	> 15
Sole	Antistatic Polyurethane/TPU directly injected in the upper:	6.3.1	Water absorption		28%	≤ 30%
			Water penetration		0,1 g	≤ 0,2 g
	Outsole: Black TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.	5.5.3	Water vapour permeability	mg/cmq h	> 4	≥ 2
	Midsole: Black polyurethane, low density, comfortable and anti-shock.		Permeability coefficient	mg/cmq	> 33,2	≥ 20
		5.8.3	Abrasion resistance (lost volume)	mm ³	66	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	2	≤ 4
		5.8.6	Interlayer bond strength	N/mm	3,8	≥ 4
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	1	≤ 12
	Adherence coefficient of the sole	5.3.5	SRA : ceramic + detergent solution – flat		0,40	≥ 0,32

SRA : ceramic + detergent solution – heel (contact angle 7°)	0,31	≥ 0,28
SRB : steel + glycerol – flat	0,19	≥ 0,18
SRB : steel + glycerol – heel (contact angle 7°)	0,16	≥ 0,13