



<b>Prod. Ref.</b>	12690-000
<b>Safety cat.</b>	S3 WR SRC
<b>Range of sizes</b>	39 - 47 (6 - 12)
<b>Weight (sz. 8)</b>	700 g
<b>Shape</b>	B
<b>Width (6)</b>	10
<b>Width (6,5 - 12)</b>	11

**Description:** Black water repellent full grain leather 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, anatomic, 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. **Polyurethane toe cap protection**

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

**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	Description	Unit	Cofra result	Requirement
<b>20345:2011</b>						
<b>Whole footwear</b>	<b>Water resistance</b>	5.15.1	Water resistance (area of water penetration after 1000 paces in a surface flooded with water)	cm <sup>2</sup>	≤ 3	≤ 3
<b>Complete shoe</b>	<b>Toe cap:</b> non metallic <b>TOP RETURN</b> 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
	<b>Anti perforation midsole:</b> in multi-layers highly tensile fabric, penetration resistant, <b>Zero Perforation</b>	6.2.1	Penetration resistance	N	To 1100 N	≥ 1100
	<b>Antistatic shoe:</b> 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
	<b>Energy absorption system</b>	6.2.4	Shock absorption	J	34	≥ 20
<b>Upper</b>	Black water repellent full grain leather thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	> 4	≥ 0,8
			Permeability coefficient	mg/cmq	> 39,6	> 15
		6.3.1	Water absorption		20%	≤ 30%
			Water penetration		0,1 g	≤ 0,2 g
<b>Quarter</b>	<b>GORE-TEX®</b> membrane, breathable and abrasion resistant, colour grey thickness 1.2 mm	5.5.3	Water vapour permeability	mg/cmq h	> 4,4	≥ 2
			Permeability coefficient	mg/cmq	> 38,9	≥ 20
<b>Sole</b>	Antistatic Polyurethane/TPU directly injected in the upper: Outsole: Black TPU, slipping resistant, abrasion resistant and hydrocarbons resistant Midsole: Black polyurethane, low density, comfortable and anti-shock. Adherence coefficient of the sole	5.8.3	Abrasion resistance (lost volume)	mm <sup>3</sup>	66	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	2	≤ 4
		5.8.6	Interlayer bond strength	N/mm	3,8	≥ 3
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	1	≤ 12
		5.3.5	SRA : ceramic + detergent solution – flat		0,40	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle)		0,31	≥ 0,28

7°)

SRB : steel + glycerol – flat

**0,19**       $\geq 0,18$

SRB : steel + glycerol – heel (contact angle 7°)

**0,16**       $\geq 0,13$