



Prod. Ref.	12670-000
Safety cat.	S3 CI SRC
Range of sizes	36 - 48 (3 - 13)
Weight (sz. 8)	590 g
Shape	B
Width (3 - 6)	10
Width (6,5 - 13)	11

Description: Black water repellent full grain leather ankle boot, **DRYTHERM** 100% polyamide fabric lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: METAL FREE. 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 unwilled torsion. Perfumed sole. **Polyurethane toe cap protection**

Suggested uses: Construction, maintenance, 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

Complete shoe **Toe cap:** non metallic **TOP RETURN** toe cap, impact resistant until 200 J and compression resistant until 1500 kg

Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, **Zero Perforation**

Distributed by:



Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges

Cold insulation

Energy absorption system

Upper Black water repellent full grain leather thickness 1,6/1,8 mm

Vamp Felt, breathable, colour dark grey

lining Thickness 1,2 mm

Quarter **DRYTHERM** 100% polyamide fabric, antibacterial, breathable, abrasion resistant, colour black

lining thickness 1,2 mm

Sole 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

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
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
6.2.1	Penetration resistance	N	To 1100 N	≥ 1100
			No Perforation	
6.2.2.2	Electric resistance			
	- wet	MΩ	12	≥ 0.1
	- dry	MΩ	461	≤ 1000
6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	8	≤ 10
6.2.4	Shock absorption	J	34	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	> 1	≥ 0,8
	Permeability coefficient	mg/cmq	> 15,3	> 15
6.3.1	Water absorption		25%	≤ 30%
	Water penetration		0,1 g	≤ 0,2 g
5.5.3	Water vapour permeability	mg/cmq h	> 4,7	≥ 2
	Permeability coefficient	mg/cmq	> 40,6	≥ 20
5.5.3	Water vapour permeability	mg/cmq h	> 6,5	≥ 2
	Permeability coefficient	mg/cmq	> 53,3	≥ 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	≥ 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 7°)		0,31	≥ 0,28
	SRB : steel + glycerol – flat		0,19	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		0,16	≥ 0,13