



Prod. Ref.	55050-000
Safety cat.	S3 CI SRC
Range of sizes	36 - 48 (3 - 13)
Weight (sz. 8)	670 g
Shape	A
Width	11

Description: Black water repellent leather and nylon **CORDURA**[®] shoe, **SANY-DRY**[®] lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: Footwear completely free from metal parts. Footbed **SOFT SQUARE**, made of soft and scented polyurethane, antistatic, anatomic, holed, soft and comfortable. The wide gel insert in the heel area absorbs the shock impact. The upper layer is made of antibacterial textile to prevent from bad odours, to absorb moisture and keep the foot dry. The higher sole, made of a special **FORMULA SOFT** compound, extremely light, **provides greater support and softness**. The wide support area dissipates the impact shock. **Thermo-insulating, anti-torsion, anti-vibration**. Thanks to an advanced mixture, studied and tested in our laboratories, the PU compound **FORMULA SOFT** of our midsole is **less hard and more elastic** than any sole in the market. The **softness** of the sole can be experienced in case of strong impacts with the ground, during which the sole gets progressively harder, thus avoiding impact shock on the spinal column. The sole design allows foot's movements, providing maximum support and shock absorption. Abrasion resistant leather toe cap protection

Suggested uses: Recommended for work environments in the presence of vibrations, construction, maintenance

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

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
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges
	Cold insulation
	Energy absorption system: polyurethane low density and heel profile
Upper	Black water repellent leather thickness 1,6/1,8 mm
Upper	Black water repellent nylon CORDURA [®]
Vamp lining	Felt, breathable, colour dark grey Thickness 1,2 mm
Quarter lining	SANY-DRY [®] , breathable, antibacterial, abrasion resistant, colour black thickness 1,2 mm

Distributed by:



SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	14	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	17,5	≥ 14
6.2.1	Penetration resistance	N	To 1100 N	≥ 1100
			No perforation	
6.2.2.2	Electric resistance			
	- wet	MΩ	280	≥ 0.1
	- dry	MΩ	645	≤ 1000
6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	10	≤ 10
6.2.4	Shock absorption	J	38,5	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	> 1,1	≥ 0,8
	Permeability coefficient	mg/cmq	> 17,8	> 15
6.3.1	Water absorption		16%	≤ 30%
	Water penetration		0,0 g	≤ 0,2 g
5.4.6	Water vapour permeability	mg/cmq h	> 2	≥ 0,8
	Permeability coefficient	mg/cmq	> 16	> 15
6.3.1	Water absorption		30%	≤ 30%
	Water penetration		0,0 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	> 9,8	≥ 2
	Permeability coefficient	mg/cmq	> 78,5	≥ 20

Sole **FORMULA SOFT**, antistatic dual-density polyurethane, directly injected in the upper:

Outsole: black, high density, slipping resistant, abrasion resistant and hydrocarbons resistant,

Midsole: black, low density, comfortable and anti-shock

Adherence coefficient of the sole

5.8.3	Abrasion resistance (lost volume)	mm ³	57	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	3	≤ 4
5.8.6	Interlayer bond strength	N/mm	> 5	≥ 4
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	+ 0,3	≤ 12
5.3.5	SRA : ceramic + detergent solution – flat		0,43	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		0,35	≥ 0,28
	SRB : steel + glycerol – flat		0,21	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		0,13	≥ 0,13

Distributed by:

