



Prod. Ref.	NW320-000
Safety cat.	S7S CI LG SC FO SR
Range of sizes	38 - 48 (5 - 13)
Weight (sz. 8)	615 g
Shape	B
Widht (5 - 6)	10,5
Widht (6,5 - 13)	11

Description: Black water repellent ankle boot, **COFRA-TEX** waterproof membrane lining, anti-shock, antistatic, slipping resistant, with non metallic **APT PLUS** midsole - type **PS** with Ø 3,0 mm nail.

Plus: METAL FREE. COFRA-TEX WATERPROOF UNIVERSAL sock-shaped membrane with “**WATERPRO-TECH**” construction system that guarantees waterproofness and superb breathability. Water does not penetrate into the footwear but the vapour molecules evaporate through the membrane keeping the foot dry. The membrane, directly stitched in the internal superior part of the upper, makes the footwear totally waterproof, preventing water leaking both sideways and from the plantar area. **LIGHT FOAM** footbed, made of extremely soft and comfortable polyurethane foam. Punched, antistatic, its anatomical shape provides support to the plantar arch; covered with abrasion resistant fabric, it absorbs moisture and keeps always the foot dry; it guarantees excellent comfort and shock absorption. Footwear equipped with a particularly abrasion-resistant material on the toe area (**SC**). Sole design especially conceived for safer standing on ladder rungs (**LG**).

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 20345:2022 + A1:2024	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 FIBERGLASS toe cap, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.6	Shock resistance (clearance after shock)	mm	16	≥ 14
		5.3.2.7	Compression resistance (clearance after compression)	mm	20	≥ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1.1.4	Penetration resistance (PS requirement with Ø 3,0 mm nail)	N	1522	≥ 1100
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	81	≥ 0.1
			- dry	MΩ	145	≤ 1000
	Cold insulation	6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	4	≤ 10
	Energy absorption system	6.2.4	Shock absorption	J	33	≥ 20
Upper	Black water repellent leather	5.4.6	Water vapour permeability	mg/cm ² h	> 5,2	≥ 0,8
	Thickness 1,6/1,8 mm		Permeability coefficient	mg/cm ²	> 43,9	≥ 15
		6.3	Water absorption		17%	≤ 30%
			Water penetration		0,0 g	≤ 0,2 g
Quarter	COFRA-TEX membrane, breathable and abrasion resistant, colour grey	5.5.4	Water vapour permeability	mg/cm ² h	> 3	≥ 2
	thickness 1.2 mm		Permeability coefficient	mg/cm ²	> 26,7	≥ 20
lining	Antistatic double-density Polyurethane directly injected in the upper:	5.8.4	Abrasion resistance (lost volume)	mm ³	76	≤ 150
	Outsole: black, high density, slipping resistant, abrasion	5.8.5	Flexing resistance (cut increase)	mm	0,8	≤ 4
Sole	Midsole: black, low density, comfortable and anti-shock	5.8.7	Interlayer bond strength	N/mm	4	≥ 3
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	3,8	≤ 12
	Adherence coefficient of the sole (Slip resistance)	5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		0,42	≥ 0,36

6.2.10	ceramic + detergent solution – heel (contact angle 7°)	0,36	≥ 0,31
	SR : ceramic + glycerol – forepart (contact angle 7°)	0,26	≥ 0,22
	SR : ceramic + glycerol – heel (contact angle 7°)	0,23	≥ 0,19