



Prod. Ref.	37100-N01
Safety cat.	S7S AN HI CI HRO LG SC FO SR
Range of sizes	38 - 48 (5 - 13)
Weight (sz. 8)	800 g
Shape	C
Widht (5 - 6)	10
Widht (6,5 - 13)	11

Description: Brown water repellent Pull-Up Nubuck rigger, **SANY-DRY**[®] lining, antistatic, anti-shock, slipping resistant, non metallic **APT PLUS** midsole - type **PS** with Ø 3,0 mm nail.

Plus: **METAL FREE.** Cold protection thanks to **THINSULATE**[™] 200g. **COLD BARRIER** anatomic and antistatic footbed, insulating against low temperatures. The thermal comfort inside the footwear is granted thanks to the specials PU compound devised to give high insulation. **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. Sole **COLD DEFENDER** PU/nitrile rubber resistant up to +300 °C (1 minute contact) and to low temperatures up to -25 °C. Footwear equipped with a particularly abrasion-resistant material on the toe area (**SC**). Sole design especially conceived for safer standing on ladder rungs (**LG**). **Ankle protection against incidental impacts.** **TPU insert in the heel and toe areas.** **Sealed seams**

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

SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345:2022	Description	Unit	Cofra result	Requirement
Complete shoe	Water resistance	5.15.1	Water resistance (area of water penetration after 1000 paces in a surface flooded with water)	cm ²	≤ 3	≤ 3
	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	15	≥ 14
		5.3.2.7	Compression resistance (clearance after compression)	mm	16	≥ 14
		6.2.1.1.4	Penetration resistance (PS requirement with Ø 3,0 mm nail)	N	1370	≥ 1100
	Malleolus protection	6.2.7	Malleolus protection (External side) (medium power)	kN	6,7	Medium ≤10
			(maximum single power)	kN	6,6	Single ≤15
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance - wet	MΩ	93.41	≥ 0.1
			- dry	MΩ	298	≤ 1000
		6.2.3.1	Heat insulation (temp. increase after 30' at 150 °C)	°C	9	≤ 22
		6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	5	≤ 10
Upper	Energy absorption system	6.2.4	Shock absorption	J	30	≥ 20
		5.4.6	Water vapour permeability	mg/cmq h	> 6,4	≥ 0,8
	Permeability coefficient		mg/cmq	> 56,7	≥ 15	
	5.4.6	Water absorption		13%	≤ 30%	
		Water penetration		0,0 g	≤ 0,2 g	
		5.5.4	Water vapour permeability	mg/cmq h	> 5	≥ 2
	Permeability coefficient		mg/cmq	> 41,9	≥ 20	
Quarter lining	5.5.4	Water vapour permeability	mg/cmq h	> 64,4	≥ 2	
		Permeability coefficient	mg/cmq	> 515,4	≥ 20	
Sole	Polyurethane/Nitrile rubber, antistatic, resistant to low temperatures, directly injected in the upper:	5.8.4	Abrasion resistance (lost volume)	mm ³	112	≤ 150

Outsole:	black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant and heat resistant.	5.8.5	Flexing resistance (cut increase)	mm	2	≤ 4
Midsole:	Cold Defender PU resistant to -25°C, colour brown	5.8.7	Interlayer bond strength	N/m	4,2	≥ 3
		6.4.4	Hot resistance (300 °C)	-----	any melting	any melting
Adherence coefficient of the sole (Slip resistance)		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	10	≤ 12
		5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		0,40	≥ 0,36
			ceramic + detergent solution – heel (contact angle 7°)		0,35	≥ 0,31
		6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		0,27	≥ 0,22
SR : ceramic + glycerol – heel (contact angle 7°)			0,32	≥ 0,19		