

Prod. Ref.	00060-001
Safety cat.	S5 CI SRC
Sizes range	38 - 48 (5 - 13)
Weight (sz. 42)	1070 g
Shape	D
Width	12

Description: Black polyurethane boot, water resistant, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: Metal free. Double-density polyurethane boot designed to guarantee great lightness and thermal insulation. The antiperforation textile midsole and the protective non metallic fiber glass toecap make it comfortable and even lighter. The outsole design on toe and heel is conceived to provide maximum slip resistance also on uneven ground. **Cold Defender PU** is a special compound which guarantees higher performances than the ordinary PU for mechanical resistance to low temperatures and thermal insulation. Innovative extra-light compound. It resists very well to hydrolysis, so that the boot maintains its chemical and physical performance during time. **A perfumed essence is added to the compound to prevent nasty odours.** **METATARSAL SUPPORT** footbed made of soft and scented polyurethane, antistatic, anatomic, holed, covered with cloth; it guarantees maximum comfort and shock absorption. Cold and heat insulation. Kick off lug. Also available with thermo-insulating inner lining upon request

Suggested uses: Boots for refineries

Care and maintenance: FOR A PROPER MAINTENANCE WASH THE BOOT AFTER USE. Clean it after each use drying off in ventilated areas, away from heat sources; remove all the residuals of contaminating stuff or dust with a good shoe-brush or a duster. Wash the boots with water and soap. Do not use aggressive products (acids, benzene, solvents) which may alter quality, protection functions and life of the boot



MATERIALS / ACCESSORIES

SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345:2011	Description	Unit	Cofra result	requirement	
Complete shoe	Toe cap: non metallic fiber glass toe cap, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.3	Shock resistant (free high after shock)	mm	17,5	≥ 14	
		5.3.2.4	Compression resistance (free high after compression)	mm	18,5	≥ 14	
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, Zero Perforation	6.2.1	Penetration resistance	N	To 1100 N no perforation	≥ 1100	
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance	- wet	MΩ	340	≥ 0.1
				- dry	MΩ	765	≤ 1000
		6.2.3.2	Cold insulation (temp. decrease after 30' at -17 °C)	°C	8	≤ 10	
	Energy absorption system	6.2.4	Shock absorption	J	38	≥ 20	
Bootleg	Cold Defender PU, antibacterial, resistant to -25°C, anatomic, colour black	5.3.3	Leak proof ness	----	Any air leak	any air leak	
		5.4.4	Breaking off extension	Mpa	1,4	from 1,3 to 4,6	
			Extension coefficient to 100%	%	260	≥ 250	
	5.4.5	Flexing resistance	cycle	After 150.000 no break	After 150.000 no break		
	Outer Sole	Cold Defender PU, antibacterial, resistant to -25°C, colour black	5.8.3	Abrasion resistance (lost volume)	Mm ³	206	≤ 150
5.8.4			Flexing resistance (cut increase)	mm	2,5	≤ 4	
5.8.6			Interlayer bond strength	N/mm	N/A	≥ 4	
Adherence coefficient of the sole		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	4,6	≤ 12	
		5.3.5	SRA : ceramic + detergent solution – flat		0,46	≥ 0,32	

SRA : ceramic + detergent solution – heel (contact angle 7°)	0,42	≥ 0,28
SRB : steel + glycerol – flat	0,20	≥ 0,18
SRB : steel + glycerol – heel (contact angle 7°)	0,18	≥ 0,13