COFRA®
BORN TO WORK

PRODUCT SHEET

PLESSURE S7S

Prod. Ref.	37081-N00
Safety cat.	S7S HI CI HRO LG SC FO SR
Range of sizes	36 - 48 (3 - 13)
Weight (sz. 8)	715 g
Shape	B
Widht (3 - 6)	10
Widht (6,5 - 13)	11

Description: Black water repellent full grain leather ankle boot, **GORE-TEX Performance Comfort Footwear** membrane lining, antistatic, anti-shock, slipping resistant, non metallic **APT PLUS** midsole **Zero Perforation**

Plus: METAL FREE. FOOT-PAD footbed, extremely soft and comfortable footbed. Thanks to the very low density polyurethane, the footbed is self-molding granting a right distribution of the body weight and providing an immediate feeling of comfort. High shock absorption is provided from highly resilient material and a perfect cushion in the central area of the heel. **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. Footwear equipped with a particularly abrasion-resistant material on the toe area (**SC**). Sole design especially conceived for safer standing on ladder rungs (**LG**). **Abrasion resistant TPU toe cap protection**

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

Complete shoe	**Water resistance**
	Toe cap: non metallic **FIBERGLASS** 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
	Heat insulation
	Cold insulation
	Energy absorption system
Upper	Black water repellent full grain leather
	thickness 1,8/2,0 mm
Quarter	**GORE-TEX** membrane, breathable and abrasion resistant, colour grey
lining	thickness 1.2 mm
Sole	Polyurethane/Nitrile rubber, antistatic, directly injected in the upper:
	Outsole: black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant and heat resistant.
	Midsole: dark grey polyurethane low density, comfortable and anti-shock

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2022	Description	Unit	Cofra result	Requirement
5.15.1	Water resistance (area of water penetration after 1000 paces in a surface flooded with water)	cm^2	**≤ 3**	≤ 3
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	Penetration resistance	N	**To 1100 N**	≥ 1100
	(**PS** requirement with Ø 3,0 mm nail)		**No perforation**	
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	**9,5**	≤ 22
6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	**5**	≤ 10
6.2.4	Shock absorption	J	**30**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 6,7**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 55,4**	≥ 15
6.3	Water absorption		**17%**	≤ 30%
	Water penetration		**0,0 g**	≤ 0,2 g
5.5.3	Water vapour permeability	mg/cmq h	**> 17,8**	≥ 2
	Permeability coefficient	mg/cmq	**> 146,6**	≥ 20
5.8.4	Abrasion resistance (lost volume)	mm^3	**112**	≤ 150
5.8.5	Flexing resistance (cut increase)	mm	**2**	≤ 4
5.8.7	Interlayer bond strength	N/m	**4,2**	≥ 3
6.4.4	Hot resistance (300 °C)	-----	**any melting**	any melting

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	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	**10**	≤ 12
Adherence coefficient of the sole (Slip resistance)	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