COFRA®
BORN TO WORK

PRODUCT SHEET

PETRI S1 P SRC

Prod. Ref.	78450-002
Safety cat.	S1 P SRC
Range of sizes	35 - 48 (2 - 13)
Weight (sz. 8)	515 g
Shape	A
Width	11

Description: Black highly breathable **BREATEX** fabric with 3D texture and **MICROTECH** shoe, **SANY-DRY®** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: **COFRA SOFT** footbed, made of scented polyurethane, holed, antistatic, anatomic, soft and comfortable; the shape of the bottom part guarantees impact energy absorption (shock absorber) and high grip; the upper part absorbs moisture and keeps the foot dry. Perfumed sole. Leather toe cap protection.

Suggested uses: Warehouses , transportation sector, industries

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:** **ALUMINIUM** made, ultra light, impact resistant until 200 J	5.3.2.3
	and compression resistant until 1500 kg	5.3.2.4
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, **Zero Perforation**	6.2.1
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2
	Energy absorption system	6.2.4
Upper	**BREATEX,** 3D texture, highly breathable, abrasion resistant, colour black	**5.4.6**
		5.4.3
Upper	Black breathable **MICROTECH**	5.4.6
	thickness 1,8 mm	
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.3
lining	Thickness 1,2 mm	
Quarter	**SANY-DRY®**, breathable, antibacterial, abrasion resistant, colour black	5.5.3
lining	thickness 1,2 mm	
Sole	Antistatic Polyurethane/TPU directly injected in the upper:	5.8.3
	Outsole: Ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant	5.8.4
	Midsole: Black polyurethane, low density, comfortable and anti-shock.	5.8.5
		6.4.2
	Adherence coefficient of the sole	5.3.5

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	**15,5**	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	**15**	≥ 14
6.2.1	Penetration resistance	N	**To 1100 N**	≥ 1100
			No perforation	
6.2.2.2	Electric resistance			
	- wet	MΩ	**388**	≥ 0.1
	- dry	MΩ	**706**	≤ 1000
6.2.4	Shock absorption	J	**28**	≥ 20
5.4.6	**Water vapour permeability**	**mg/cmq h**	**> 8,8**	**≥ 0,8**
	Permeability coefficient	**mg/cmq**	**> 72,1**	**> 20**
5.4.3	**Tear resistance**	**N**	**88,4**	**≥ 60**
	Abrasion resistance	**Cycle**	**> 100.000**	
5.4.6	Water vapour permeability	mg/cmq h	**> 1**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 15,3**	> 15
5.5.3	Water vapour permeability	mg/cmq h	**> 6,3**	≥ 2
	Permeability coefficient	mg/cmq	**> 51,1**	≥ 20
5.5.3	Water vapour permeability	mg/cmq h	**> 10,3**	≥ 2
	Permeability coefficient	mg/cmq	**> 82,8**	≥ 20
5.8.3	Abrasion resistance (lost volume)	mm^3	**37**	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	**1**	≤ 4
5.8.5	Interlayer bond strength	N/mm	**> 5**	≥ 4
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	**-0,6**	≤ 12
5.3.5	SRA : ceramic + detergent solution – flat		**0,60**	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,52**	≥ 0,28
	SRB : steel + glycerol – flat		**0,28**	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		**0,19**	≥ 0,13

Made by Technical Dept.