COFRA®
BORN TO WORK

PRODUCT SHEET

ASPHALT S2 P HRO HI SRA

Prod. Ref.	26930-000
Safety cat.	S2 P HRO HI SRA
Range of sizes	39 - 48 (6 - 13)
Weight (sz. 8)	720 g
Shape	B
Width (6)	10
Width (6,5 - 13)	11

Description: Black water repellent printed leather ankle boot, Unlined, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: **HEAT BARRIER** footbed made of soft and scented polyurethane, antistatic, anatomic, insulating against high temperatures, covered with cloth. The thermal comfort inside the footwear is granted thanks to the special polyurethane compound devised to give high insulation. Outsole resistant to +300°C (1 minute contact) **without cleats** to avoid marks on the asphalt. **Immersion of the sole in a 30 mm sand bath, for 8 hours at 130 ° C.** Through an empirical test carried out at the Cofra laboratories, we simulated a typical 8-hour workday by subjecting the shoe to high temperatures (130 ° C) and, at the end of the test, it does not present any damage

Suggested uses: Footwear for tarmac layers

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	**Toe cap:** non metallic **TOP RETURN** 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	
	Energy absorption system	
Upper	Black water repellent grain leather	
	thickness 1,8/2,0 mm	
Vamp lining	Textile, breathable, abrasion resistant, colour black	
	Thickness 1,2 mm	
Sole	PU/Nitrile rubber, antistatic, resistant to high temperatures, directly injected in the upper:	
	Outsole: black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant and heat resistant.	
	Midsole: black **HEAT DEFENDER** polyurethane, made of a special compound which resists to 150°C for 30 minutes, maintaining a superb thermal comfort inside the shoe	
	Adherence coefficient of the sole	

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SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	**14,5**	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	**15,5**	≥ 14
6.2.1	Penetration resistance	N	**To 1100 N**	≥ 1100
			No Perforation	
6.2.2.2	Electric resistance			
	- wet	MΩ	**61**	≥ 0.1
	- dry	MΩ	**480**	≤ 1000
6.2.3.1	Heat insulation (temp. increase after 30' at **150** °C)	°C	**13**	≤ 22
6.2.4	Shock absorption	J	**29**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 2,2**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 26,6**	> 15
6.3.1	Water absorption		**13%**	≤ 30%
	Water penetration		**0,0 g**	≤ 0,2 g
5.5.3	Water vapour permeability	mg/cmq h	**> 6,3**	≥ 2
	Permeability coefficient	mg/cmq	**> 51,1**	≥ 20
5.8.3	Abrasion resistance (lost volume)	mm^3	**95**	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	**1,5**	≤ 4
5.8.6	Interlayer bond strength	N/m	**4,4**	≥ 3
6.4.4	Hot resistance (300 °C)	----	**any melting**	any melting
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	**8**	≤ 12
5.3.5	SRA : ceramic + detergent solution – flat		**0,39**	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,34**	≥ 0,28