COFRA®
BORN TO WORK

PRODUCT SHEET

NEW SHEFFIELD UK
S3 HI CI HRO CR SRC

Prod. Ref.	26910-000
Safety cat.	S3 HI CI HRO SRC
Range of sizes	40 - 48
Weight (sz. 8)	820 g
Shape	B
Widht	11

Description: Black water repellent full grain leather ankle boot, **SANY-DRY®** lining, antistatic, anti-shock, slipping resistant, with double protection of the foot with stainless steel midsole + non metallic **APT Plate** midsole **Zero Perforation**

Plus: INNER CUT PROTECTION ON THE WHOLE UPPER. 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). Polyurethane toe cap protection

Suggested uses: Footwear for glasswork, car industry and aluminium works

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: stainless steel, penetration resistance, varnished with epoxy resin	
	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	
	Cut resistance inner protection: **CUT PROTECT** Fabric	
Vamp lining	Felt, breathable, colour dark grey	
	Thickness 1,2 mm	
Quarter lining	**SANY-DRY®**, antibacterial, breathable, abrasion resistant, colour blue	
	thickness 1,2 mm	
Sole	Polyurethane/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 polyurethane, made of a special compound which resists	

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	**15**	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	**15**	≥ 14
6.2.1	Penetration resistance	N	**1210**	≥ 1100
6.2.1	Penetration resistance	N	**To 1100 N No Perforation**	≥ 1100
6.2.2.2	Electric resistance			
	- wet	MΩ	**64,6**	≥ 0.1
	- dry	MΩ	**866**	≤ 1000
6.2.3.1	Heat insulation (temp. increase after 30' at **150** °C)	°C	**18,5**	≤ 22
6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	**8**	≤ 10
6.2.4	Shock absorption	J	**> 28**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 1**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 15,3**	> 15
6.3.1	Water absorption		**25%**	≤ 30%
	Water penetration		**0,1 g**	≤ 0,2 g
6.2.8.3	Upper cut resistance	Factor I	**13**	> 2,5
5.5.3	Water vapour permeability	mg/cmq h	**> 4,7**	≥ 2
	Permeability coefficient	mg/cmq	**> 40,6**	≥ 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	**90**	≤ 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)	%	**2,5**	≤ 12

to 150°C for 30 minutes without its chemical-physical features being altered				
Adherence coefficient of the sole	5.3.5	SRA : ceramic + detergent solution – flat	**0,42**	≥ 0,32
		SRA : ceramic + detergent solution – heel (contact angle 7°)	**0,33**	≥ 0,28
		SRB : steel + glycerol – flat	**0,22**	≥ 0,18
		SRB : steel + glycerol – heel (contact angle 7°)	**0,16**	≥ 0,13