COFRA®
BORN TO WORK

PRODUCT SHEET

TOUCHDOWN S3 WR SRC

Prod. Ref.	79510-000
Safety cat.	S3 WR SRC
Range of sizes	39 - 48 (6 - 13)
Weight (sz. 8)	530 g
Shape	A
Width	11

Description: Black water repellent highly breathable textile and leather shoe, **GORE-TEX® Extended Comfort Footwear** membrane lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**, **even with a 3 mm diameter nail**

Plus: **MEMORY PLUS** footbed, anatomic, punched, antistatic and preformed footbed. It guarantees ergonomic comfort and high breathability. The memory layer, made of slow memory polyurethanic foam, has high viscoelastic properties. The abrasion resistant covering textile, ladderproof and antibacterial, absorbs moisture and leaves the foot always dry. Perfumed sole. **Leather toe cap protection**

Suggested uses: Ideal for use in hot environments, indoor and outdoor. Footwear for wet environments

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

Whole footwear	**Water resistance**	
Complete shoe	**Toe cap:** ALUMINIUM made, ultra light, 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	
	Energy absorption system	
Upper	Water repellent, highly breathable textile, colour black	
Upper	Black water repellent leather	
	thickness 1,8/2,0 mm	
Quarter lining	**GORE-TEX®** membrane, breathable and abrasion resistant, colour grey	
	thickness 1.2 mm	
Sole	Antistatic Polyurethane/TPU directly injected in the upper:	
	Outsole: Light blue TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.	
	Midsole: Black polyurethane, low density, comfortable and anti-shock.	
	Adherence coefficient of the sole	

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	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
5.3.2.3	Shock resistance (clearance after shock)	mm	**15,5**	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	**16,5**	≥ 14
6.2.1	Penetration resistance	N	**To 1100 N**	≥ 1100
			No perforation	
6.2.2.2	Electric resistance			
	- wet	MΩ	**90,2**	≥ 0.1
	- dry	MΩ	**298**	≤ 1000
6.2.4	Shock absorption	J	**31**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 11,8**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 96,5**	> 15
6.3.1	Water absorption		**25%**	≤ 30%
	Water penetration		**0,1 g**	≤ 0,2 g
5.4.6	Water vapour permeability	mg/cmq h	**> 1**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 15,2**	> 15
6.3.1	Water absorption		**8%**	≤ 30%
	Water penetration		**0,0 g**	≤ 0,2 g
5.5.3	Water vapour permeability	mg/cmq h	**> 9,6**	≥ 2
	Permeability coefficient	mg/cmq	**> 77,3**	≥ 20
5.8.3	Abrasion resistance (lost volume)	mm^3	**47**	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	**1,5**	≤ 4
5.8.5	Interlayer bond strength	N/mm	**4**	≥ 3
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	**10**	≤ 12
5.3.5	SRA : ceramic + detergent solution – flat		**0,36**	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,34**	≥ 0,28

Made by Technical Dept.

SRB : steel + glycerol – flat	**0,26**	≥ 0,18
SRB : steel + glycerol – heel (contact angle 7°)	**0,23**	≥ 0,13