COFRA®
BORN TO WORK

PRODUCT SHEET

ALICE S3 SRC

Prod. Ref.	78500-010
Safety cat.	S3 SRC
Range of sizes	36 - 41
Weight (sz. 4)	450 g
Shape	A
Wide	11

Description: Black water repellent nubuck shoe, **Sany-Dry**® lining, anti-shock, antistatic, slipping resistant, non metallic **APT Plate** midsole.

Plus: **Cofra Soft** footbed in soft and comfortable polyurethane, removable, covered with cloth. Bellows tongue.

Suggested uses: Engineering jobs, building industry, store houses.

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

		Clause EN ISO 20344 :2004
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	6.2.1.5.2
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2
	Energy absorption system: polyurethane low density and heel profile	6.2.4
Upper	Black water repellent nubuck	5.4.6
	Thickness 1,6/1,8 mm	
		6.3.1
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.3
lining	Thickness 1,2 mm	
Quarter	**Sany-Dry®**, breathable, abrasion resistant, colour pink	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
		5.8.7
	Adherence coefficient of the sole	5.3.5

SAFETY TECHNICAL SPECIFICATIONS

Description	Unit	Cofra result	EN ISO 20345:2004 requirement
Shock resistance (clearance after shock)	mm	**18,2**	≥ 14
Compression resistance (clearance after compression)	mm	**18,7**	≥ 14
Penetration resistance	N	**1300**	≥ 1100
Electric resistance			
- wet	MΩ	**288**	≥ 0.1
- dry	MΩ	**538**	≤ 1000
Shock absorption	J	**> 28**	≥ 20
Water vapour permeability	mg/cmq h	**> 3,1**	≥ 0,8
Permeability coefficient	mg/cmq	**> 32,6**	> 20
Water resistance	minutes	**> 60**	> 60
Water vapour permeability	mg/cmq h	**> 6**	≥ 2
Permeability coefficient	mg/cmq	**> 48**	≥ 30
Water vapour permeability	mg/cmq h	**> 6,7**	≥ 2
Permeability coefficient	mg/cmq	**> 54,1**	≥ 30
Abrasion resistance (lost volume)	mm^3	**35**	≤ 150
Flexing resistance (cut increase)	mm	**1**	≤ 4
Interlayer bond strength	N/mm	**> 5**	≥ 4
Hydrocarbons resistance (ΔV = volume increase)	%	**- 0,9**	≤ + 12
SRA : ceramic + detergent solution – flat		**0,60**	≥ 0,32
SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,51**	≥ 0,28
SRB : steel + glycerol – flat		**0,27**	≥ 0,18
SRB : steel + glycerol – heel (contact angle 7°)		**0,19**	≥ 0,13