COFRA®
BORN TO WORK

PRODUCT SHEET

CLARINET S3 SRC

Prod. Ref.	20320-002
Safety cat.	S3 SRC
Range of sizes	36 - 48 (3 - 13)
Weight (sz. 8)	560 g
Shape	A
Width	11

Description: Black **TECHSHELL**, innovative, very tough, abrasion resistant, water repellent and breathable fabric shoe, **SANY-DRY®** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: **METAL FREE**. **EVANIT** footbed, made of EVA and nitrile special compound, with high bearing capacity and variable thickness. Thermoformed, punched and coated with highly breathable fabric. Antistatic thanks to a specific treatment on the surface and to seams made of conductive yarns. **ANTI TORSION SUPPORT** made of polycarbonate and fibreglass conveniently placed between heel and sole, which provides support and protection of the plantar arch, thus preventing harmful bendings and/or unwilled torsion. Perfumed sole. **TPU toe cap protection**

Suggested uses: Construction, maintenance, warehouses, transportation sector, industries

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

		Clause EN ISO 20345:2011
Complete shoe	**Toe cap:** non metallic **TOP RETURN** toe cap, 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	**TECHSHELL**, innovative, abrasion resistant, water repellent and breathable fabric, colour black	5.4.6
		6.3.1
		5.4.3
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.3
lining	Thickness 1,2 mm	
Quarter	**SANY-DRY®**, breathable, abrasion resistant, colour black/silver	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.	5.8.6
		6.4.2
	Adherence coefficient of the sole	5.3.5

SAFETY TECHNICAL SPECIFICATIONS

Description	Unit	Cofra result	Requirement
Shock resistance (clearance after shock)	mm	**16**	≥ 14
Compression resistance (clearance after compression)	mm	**15,5**	≥ 14
Penetration resistance	N	**To 1100 N**	≥ 1100
		No Perforation	
Electric resistance			
- wet	MΩ	**32,6**	≥ 0.1
- dry	MΩ	**658**	≤ 1000
Shock absorption	J	**37**	≥ 20
Water vapour permeability	mg/cmq h	**> 1,8**	≥ 0,8
Permeability coefficient	mg/cmq	**> 15,7**	> 15
Water absorption		**15%**	≤ 30%
Water penetration		**0,0 g**	≤ 0,2 g
Tear resistance	**N**	**233**	**≥ 60**
Abrasion resistance	**Cycle**	**> 600.000**	
Water vapour permeability	mg/cmq h	**> 6,3**	≥ 2
Permeability coefficient	mg/cmq	**> 51,1**	≥ 20
Water vapour permeability	mg/cmq h	**> 10,3**	≥ 2
Permeability coefficient	mg/cmq	**> 82,8**	≥ 20
Abrasion resistance (lost volume)	mm^3	**112**	≤ 150
Flexing resistance (cut increase)	mm	**1**	≤ 4
Interlayer bond strength	N/mm	**4,2**	≥ 4
Hydrocarbons resistance (ΔV = volume increase)	%	**0,9**	≤ 12
SRA : ceramic + detergent solution – flat		**0,62**	≥ 0,32
SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,58**	≥ 0,28
SRB : steel + glycerol – flat		**0,26**	≥ 0,18
SRB : steel + glycerol – heel (contact angle 7°)		**0,19**	≥ 0,13

Made by Technical Dept.