COFRA®
BORN TO WORK

PRODUCT SHEET

ETHYL S3 SRC

Prod. Ref.	63570-000
Safety cat.	S3 SRC
Range of sizes	38 - 47 (5 - 12)
Weight (sz. 8)	540 g
Shape	B
Width	11

Description: Black water repellent **ECOLORICA®** ankle boot, **SANY-DRY®** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: Footwear completely free from metal parts. The upper is easy to clean, up to 40°C, with neutral soap and water, keeping intact its aesthetic and tactile features. **AIR** footbed, made of EVA and fabric, antistatic, anatomic, holed. It guarantees high stability thanks to its different kinds of thickness in the plantar area. Arch 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. Perfumed sole. High resistance to hydrolysis. Bellows tongue, padded collar.

Suggested uses: Footwear for chemical industry

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

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
	Energy absorption system: polyurethane low density and heel profile
Upper	Black water repellent **ECOLORICA®** thickness 1,6 mm
Vamp lining	Textile, breathable, abrasion resistant, colour black Thickness 1,2 mm
Quarter lining	**SANY-DRY®**, antibacterial, breathable, abrasion resistant, colour black thickness 1,2 mm
Sole	Antistatic dual-density polyurethane directly injected in the upper:
	Outsole: black, high density, slipping resistant, abrasion resistant and hydrocarbons resistant,
	Midsole: black, low density, comfortable and anti-shock
	Adherence coefficient of the sole

Distributed by:

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	**15,5**	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	**14,5**	≥ 14
6.2.1	Penetration resistance	N	**To 1100 N**	≥ 1100
			No Perforation	
6.2.2.2	Electric resistance			
	- wet	MΩ	**428**	≥ 0.1
	- dry	MΩ	**773**	≤ 1000
6.2.4	Shock absorption	J	**33**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 1,6**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 15**	> 15
6.3.1	Water absorption		**22%**	≤ 30%
	Water penetration		**0,0 g**	≤ 0,2 g
5.5.3	Water vapour permeability	mg/cmq h	**> 6**	≥ 2
	Permeability coefficient	mg/cmq	**> 48**	≥ 20
5.5.3	Water vapour permeability	mg/cmq h	**> 9,8**	≥ 2
	Permeability coefficient	mg/cmq	**> 78,5**	≥ 20
5.8.3	Abrasion resistance (lost volume)	mm^3	**54**	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	**2**	≤ 4
5.8.6	Interlayer bond strength	N/mm	**> 5**	≥ 4
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	**0,5**	≤ 12
5.3.5	SRA : ceramic + detergent solution – flat		**0,48**	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,44**	≥ 0,28
	SRB : steel + glycerol – flat		**0,21**	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		**0,15**	≥ 0,13