COFRA®
BORN TO WORK

PRODUCT SHEET

ECOLOGICAL S1 P SRC

Prod. Ref.	73082-001
Safety cat.	S1 P SRC
Range of sizes	35 - 48 (2 - 13)
Weight (sz. 8)	590 g
Shape	A
Width	11

Description: Grey **TEXPET**, 100% PET ecological fabric shoe, **SANY-DRY®** lining, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**, **even with a 3 mm diameter nail**

Plus: Jacquard fabric upper produced with **100% PET** yarns that meet the requirements of the Global Recycle Standard (GRS). Hot Melt lamination is a latest generation technology that provides the most innovative response for textile lamination in terms of efficiency and respect for the environment. The complete absence of solvent makes it an eco-friendly process. Internal support produced with 100% PET polyester fibers, equipped to provide the right thickness and support required in footwear production. Polyurethane/TPU sole with **POLY-GREEN** insert, a material made of virgin and recycled polyurethane properly measured and mixed, in order to guarantee a perfect proportion between impact energy absorption and support. **ECO-TECH**, **POLY-GREEN** footbed, anatomic, antistatic, holed, scented, soft and comfortable. The upper layer is made of antibacterial fabric arbsorbs moisture and keeps the foot always dry. Laces and tongue labels are made of **100% recycled yarns** deriving from plastic bottles. **100% recycled** paper and carton packaging**. Leather toe cap protection**

Suggested uses: 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:** **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, **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	**TEXPET**, 100% PET ecological fabric, colour grey	5.4.6
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.3
lining	Thickness 1,2 mm	
Quarter	**SANY-DRY®**, breathable, antibacterial, abrasion resistant, colour grey and black	5.5.3
lining	thickness 1,2 mm	
Sole	Antistatic Polyurethane/TPU directly injected in the upper:	5.8.3
	Outsole: Silver TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.	5.8.4
	Midsole: Black polyurethane, low density, comfortable and anti-shock.	5.8.5
		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	**15,5**	≥ 14
Compression resistance (clearance after compression)	mm	**15**	≥ 14
Penetration resistance	N	**To 1100 N**	≥ 1100
		No perforation	
Electric resistance			
- wet	MΩ	**72,4**	≥ 0.1
- dry	MΩ	**231**	≤ 1000
Shock absorption	J	**32**	≥ 20
Water vapour permeability	mg/cmq h	**> 1,4**	≥ 0,8
Permeability coefficient	mg/cmq	**> 18,2**	> 15
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	**65**	≤ 150
Flexing resistance (cut increase)	mm	**1,5**	≤ 4
Interlayer bond strength	N/mm	**4,5**	≥ 3
Hydrocarbons resistance (ΔV = volume increase)	%	**10**	≤ 12
SRA : ceramic + detergent solution – flat		**0,48**	≥ 0,32
SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,36**	≥ 0,28
SRB : steel + glycerol – flat		**0,22**	≥ 0,18
SRB : steel + glycerol – heel (contact angle 7°)		**0,16**	≥ 0,13

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