PRODUCT SHEET

SITUP S1PS FO SR

Prod. Ref.	TN360-000
Safety cat.	S1PS FO SR
Range of sizes	36 - 48 (3 - 13)
Weight (sz. 8)	547 g
Shape	A
Widht (3 - 6)	10,5
Widht (6,5 - 13)	11

Description: Mud punched suede leather and black elastan **LYCRA®** slip-on, **TRAI-Tex** 100% polyester fabric lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plus** 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**. Abrasion resistant 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 20345:2022
Complete shoe	**Toe cap:** non metallic **FIBERGLASS** toe cap, impact resistant until 200 J	5.3.2.6
	and compression resistant until 1500 kg	5.3.2.7
	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	Mud suede leather	5.4.6
	thickness 1,6/1,8 mm	
Upper	Leather, colour black	5.4.6
	thickness 1,8/2,0 mm	
Vamp	Textile, breathable, abrasion resistant, colour black	5.5.4
lining	Thickness 1,2 mm	
Quarter	**TRAI-Tex** fabric, three-dimensional, breathable, abrasion resistant, colour fluo yellow	5.5.4
lining	thickness 1,2 mm	
Sole	Antistatic double-density Polyurethane directly injected in the upper:	5.8.4
	Outsole: black, high density, slipping resistant, abrasion	5.8.5
	Midsole: black, low density, comfortable and anti-shock	5.8.7
		6.4.2
	Adherence coefficient of the sole (Slip resistance)	5.3.5.2
		6.2.10

SAFETY TECHNICAL SPECIFICATIONS

Description	Unit	Cofra result	Requirement
Shock resistance (clearance after shock)	mm	**15**	≥ 14
Compression resistance (clearance after compression)	mm	**15,5**	≥ 14
Penetration resistance	N	**To 1100 N**	≥ 1100
(**PS** requirement with Ø 3,0 mm nail)		**No perforation**	
Electric resistance			
- wet	MΩ	**63.31**	≥ 0.1
- dry	MΩ	**156**	≤ 1000
Shock absorption	J	**27**	≥ 20
Water vapour permeability	mg/cmq h	**> 2,2**	≥ 0,8
Permeability coefficient	mg/cmq	**> 19,1**	≥ 15
Water vapour permeability	mg/cmq h	**> 2,2**	≥ 0,8
Permeability coefficient	mg/cmq	**> 19,6**	> 15
Water vapour permeability	mg/cmq h	**> 4,1**	≥ 2
Permeability coefficient	mg/cmq	**> 47,2**	≥ 20
Water vapour permeability	mg/cmq h	**> 9,4**	≥ 2
Permeability coefficient	mg/cmq	**> 76,4**	≥ 20
Abrasion resistance (lost volume)	mm^3	**98**	≤ 150
Flexing resistance (cut increase)	mm	**4**	≤ 4
Interlayer bond strength	N/mm	**4,1**	≥ 3
Hydrocarbons resistance (ΔV = volume increase)	%	**8**	≤ 12
ceramic + detergent solution – forepart (contact angle 7°)		**0,36**	≥ 0,36
ceramic + detergent solution – heel (contact angle 7°)		**0,36**	≥ 0,31
SR : ceramic + glycerol – forepart (contact angle 7°)		**0,32**	≥ 0,22
SR : ceramic + glycerol – heel (contact angle 7°)		**0,28**	≥ 0,19