



**Prod. Ref.** PE320-000  
**Safety cat.** S1 PS SC FO SR  
**Range of sizes** 36 - 48 (3 - 13)  
**Weight (sz. 8)** 525 g  
**Shape** A  
**Width** 11

**Description:** Black innovative and breathable fabric shoe, **SANY-DRY®** lining, antistatic, anti-shock, slipping resistant, with non metallic **APT PLUS** midsole - type **PS** with Ø 3,0 mm nail.

**Plus:** **LIGHT FOAM** footbed, made of extremely soft and comfortable polyurethane foam. Punched, antistatic, its anatomical shape provides support to the plantar arch; covered with abrasion resistant fabric, it absorbs moisture and keeps always the foot dry; it guarantees excellent comfort and shock absorption. **LYCRA®** padded fort which hugs the foot, making it stable and enhancing comfort.

**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

### SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345:2022	Description	Unit	Cofra result	Requirement
Complete shoe	Toe cap: <b>ALUMINIUM</b> made, ultra light, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.6	Shock resistance (clearance after shock)	mm	<b>16</b>	≥ 14
		5.3.2.7	Compression resistance (clearance after compression)	mm	<b>18</b>	≥ 14
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, <b>Zero Perforation</b>	6.2.1.1.4	Penetration resistance (PS requirement with Ø 3,0 mm nail)	N	<b>1612</b>	≥ 1100
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
Upper	Energy absorption system		- wet	MΩ	<b>12,35</b>	≥ 0.1
			- dry	MΩ	<b>77</b>	≤ 1000
	Innovative and breathable fabric, colour black	6.2.4	Shock absorption	J	<b>30</b>	≥ 20
		5.4.6	Water vapour permeability	mg/cmq h	> <b>4,2</b>	≥ 0,8
Vamp lining	Textile, breathable, abrasion resistant, colour black		Permeability coefficient	mg/cmq	> <b>34,1</b>	≥ 15
		5.5.4	Water vapour permeability	mg/cmq h	> <b>4,1</b>	≥ 2
	Thickness 1,2 mm		Permeability coefficient	mg/cmq	> <b>47,2</b>	≥ 20
		5.5.4	Water vapour permeability	mg/cmq h	> <b>9,4</b>	≥ 2
Quarter lining	<b>SANY-DRY®</b> , breathable, abrasion resistant, colour black		Permeability coefficient	mg/cmq	> <b>76,4</b>	≥ 20
		5.8.4	Abrasion resistance (lost volume)	mm <sup>3</sup>	<b>48</b>	≤ 150
	thickness 1,2 mm	5.8.5	Flexing resistance (cut increase)	mm	<b>0</b>	≤ 4
		5.8.7	Interlayer bond strength	N/mm	<b>3,4</b>	≥ 3
Sole	Antistatic dual-density polyurethane directly injected in the upper:	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	<b>1,6</b>	≤ 12
		5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		<b>0,41</b>	≥ 0,36
	Outsole: yellow, high density, slipping resistant, abrasion resistant and hydrocarbons resistant,		ceramic + detergent solution – heel (contact angle 7°)		<b>0,35</b>	≥ 0,31
		6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		<b>0,37</b>	≥ 0,22
	Midsole: black, low density, comfortable and anti-shock		SR : ceramic + glycerol – heel (contact angle 7°)		<b>0,42</b>	≥ 0,19
	Adherence coefficient of the sole (Slip resistance)					