

<b>Prod. Ref.</b>	78802-000
<b>Safety cat.</b>	S3 SRC
<b>Range of sizes</b>	35 - 48 (2 - 13)
<b>Weight (sz. 8)</b>	512 g
<b>Shape</b>	A
<b>Width</b>	11

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

**Plus:** **One piece upper without stitching, breathable, abrasion resistant and tear resistant.** **COFRA SOFT** footbed, made of scented polyurethane, holed, antistatic, anatomic, soft and comfortable; the shape of the bottom part guarantees impact energy absorption; the upper part absorbs moisture and keeps the foot dry. Perfumed sole

**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

## SAFETY TECHNICAL SPECIFICATIONS

		Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement	
<b>Complete shoe</b>	<b>Toe cap:</b> <b>ALUMINIUM</b> made, ultra light, impact resistant until 200 J and compression resistant until 1500 kg	5.3.2.3	Shock resistance (clearance after shock)	mm	<b>15,5</b>	≥ 14	
		5.3.2.4	Compression resistance (clearance after compression)	mm	<b>15</b>	≥ 14	
	<b>Anti perforation midsole:</b> in multi-layers highly tensile fabric, penetration resistant, <b>Zero Perforation</b>	6.2.1	Penetration resistance	N	<b>To 1100 N</b>	≥ 1100	
	<b>Antistatic shoe:</b> the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			<b>No perforation</b>	
			- wet	MΩ	<b>389</b>	≥ 0.1	
			- dry	MΩ	<b>706</b>	≤ 1000	
	<b>Energy absorption system</b>	6.2.4	Shock absorption	J	<b>28</b>	≥ 20	
<b>Upper</b>	<b>TECHSHELL</b> , innovative, very tough, abrasion resistant, water repellent and breathable fabric, colour black	5.4.6	Water vapour permeability	mg/cmq h	<b>&gt; 1,8</b>	≥ 0,8	
			Permeability coefficient	mg/cmq	<b>&gt; 15,7</b>	> 15	
			6.3.1	Water absorption		<b>15%</b>	≤ 30%
				Water penetration		<b>0,0 g</b>	≤ 0,2 g
		<b>5.4.3</b>	<b>Tear resistance</b>	<b>N</b>	<b>233</b>	<b>≥ 60</b>	
			<b>Abrasion resistance</b>	<b>Cycle</b>	<b>&gt; 600.000</b>		
<b>Vamp</b>	Textile, breathable, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 6,3</b>	≥ 2	
			Permeability coefficient	mg/cmq	<b>&gt; 51,1</b>	≥ 20	
<b>Quarter</b>	<b>SANY-DRY</b> <sup>®</sup> , breathable, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 10,3</b>	≥ 2	
			Permeability coefficient	mg/cmq	<b>&gt; 82,8</b>	≥ 20	
<b>Sole</b>	Antistatic Polyurethane/TPU directly injected in the upper:	5.8.3	Abrasion resistance (lost volume)	mm <sup>3</sup>	<b>37</b>	≤ 150	
		5.8.4	Flexing resistance (cut increase)	mm	<b>1</b>	≤ 4	
		5.8.5	Interlayer bond strength	N/mm	<b>3,8</b>	≥ 3	
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	<b>1,3</b>	≤ 12	
		5.3.5	SRA : ceramic + detergent solution – flat	<b>0,60</b>	≥ 0,32		
			SRA : ceramic + detergent solution – heel (contact angle 7°)	<b>0,52</b>	≥ 0,28		
			SRB : steel + glycerol – flat	<b>0,28</b>	≥ 0,18		
	SRB : steel + glycerol – heel (contact angle 7°)	<b>0,19</b>	≥ 0,13				
	Adherence coefficient of the sole	5.3.5	SRA : ceramic + detergent solution – flat		<b>0,60</b>	≥ 0,32	
			SRA : ceramic + detergent solution – heel (contact angle 7°)		<b>0,52</b>	≥ 0,28	
			SRB : steel + glycerol – flat		<b>0,28</b>	≥ 0,18	
			SRB : steel + glycerol – heel (contact angle 7°)		<b>0,19</b>	≥ 0,13	