

<b>Prod. Ref.</b>	30161-000
<b>Safety cat.</b>	S3 SRC
<b>Range of sizes</b>	39 - 47 (6 - 12)
<b>Weight (sz. 8)</b>	560 g
<b>Shape</b>	A
<b>Width</b>	11

**Description:** Black water repellent full grain leather shoe, **SPHERA** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

**Plus:** **COFRA SOFT** footbed, made of scented polyurethane, holed, antistatic, anatomic, soft and comfortable; the shape of the bottom part guarantees impact energy absorption (shock absorber) and high grip; the upper part absorbs moisture and keeps the foot dry. 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. Leather toe cap protection

**Suggested uses:** Construction, maintenance, industries.

**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

### 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>14,5</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>No perforation</b>	
	<b>Antistatic shoe:</b> the bottom is fit for the dissipation of electrostatic charges	6.2.2.2	Electric resistance			
			- wet	MΩ	<b>230</b>	≥ 0.1
			- dry	MΩ	<b>830</b>	≤ 1000
	<b>Energy absorption system</b>	6.2.4	Shock absorption	J	<b>32</b>	≥ 20
<b>Upper</b>	Black water repellent full grain leather thickness 1,6/1,8 mm	5.4.6	Water vapour permeability	mg/cmq h	<b>&gt; 0,8</b>	≥ 0,8
			Permeability coefficient	mg/cmq	<b>&gt; 15</b>	> 15
		6.3.1	Water absorption		<b>18%</b>	≤ 30%
			Water penetration		<b>0,0 g</b>	≤ 0,2 g
<b>Vamp</b>	Felt, breathable, colour dark grey	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 4,7</b>	≥ 2
			Permeability coefficient	mg/cmq	<b>&gt; 40,6</b>	≥ 20
<b>lining</b>	Thickness 1,2 mm	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 8,6</b>	≥ 2
			Permeability coefficient	mg/cmq	<b>&gt; 69,2</b>	≥ 20
<b>Quarter</b>	<b>SPHERA</b> , breathable, antibacterial, abrasion resistant, colour black	5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 8,6</b>	≥ 2
			Permeability coefficient	mg/cmq	<b>&gt; 69,2</b>	≥ 20
<b>lining</b>	thickness 1,2 mm	5.8.3	Abrasion resistance (lost volume)	mm <sup>3</sup>	<b>42</b>	≤ 150
		5.8.4	Flexing resistance (cut increase)	mm	<b>2</b>	≤ 4
<b>Sole</b>	Antistatic Polyurethane/TPU directly injected in the upper:	5.8.5	Interlayer bond strength	N/mm	<b>&gt; 5</b>	≥ 4
		6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	<b>0,5</b>	≤ 12
	Outsole: Ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.	5.3.5	SRA : ceramic + detergent solution – flat		<b>0,53</b>	≥ 0,32
	Midsole: Black polyurethane, low density, comfortable and anti-shock.		SRA : ceramic + detergent solution – heel (contact angle 7°)		<b>0,46</b>	≥ 0,28
			SRB : steel + glycerol – flat		<b>0,22</b>	≥ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		<b>0,19</b>	≥ 0,13
	Adherence coefficient of the sole					