



**Prod. Ref.** 78780-000  
**Safety cat.** S3 SRC  
**Range of sizes** 40 - 47 (6,5 - 12)  
**Weight (sz. 8)** 620 g  
**Shape** A  
**Width** 11

**Description:** Brown water repellent Pull-Up nubuck mid shoe, **SANY-DRY**<sup>®</sup> 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. Perfumed sole. Padded collar of elasthan **LYCRA**<sup>®</sup>. TPU 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

<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
	<b>Anti perforation midsole:</b> in multi-layers highly tensile fabric, penetration resistant, <b>Zero Perforation</b>
	<b>Antistatic shoe:</b> the bottom is fit for the dissipation of electrostatic charges
	<b>Energy absorption system</b>
<b>Upper</b>	Brown water repellent Pull-Up nubuck thickness 1,6/1,8 mm
<b>Vamp lining</b>	Felt, breathable, colour dark grey thickness 1,2 mm
<b>Quarter lining</b>	<b>SANY-DRY</b> <sup>®</sup> , breathable, antibacterial, abrasion resistant, colour turquoise thickness 1,2 mm
<b>Sole</b>	Antistatic Polyurethane/TPU directly injected in the upper: Outsole: Black TPU, slipping resistant, abrasion resistant and hydrocarbons resistant. Midsole: Brown polyurethane, low density, comfortable and anti-shock.
	Adherence coefficient of the sole

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## SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	<b>16</b>	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	<b>15,5</b>	≥ 14
6.2.1	Penetration resistance	N	<b>To 1100 N</b>	≥ 1100
			<b>No perforation</b>	
6.2.2.2	Electric resistance			
	- wet	MΩ	<b>336</b>	≥ 0.1
	- dry	MΩ	<b>660</b>	≤ 1000
6.2.4	Shock absorption	J	<b>28</b>	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	<b>&gt; 4,5</b>	≥ 0,8
	Permeability coefficient	mg/cmq	<b>&gt; 39,2</b>	> 15
6.3.1	Water absorption		<b>26%</b>	≤ 30%
	Water penetration		<b>0,1 g</b>	≤ 0,2 g
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
5.5.3	Water vapour permeability	mg/cmq h	<b>&gt; 9,8</b>	≥ 2
	Permeability coefficient	mg/cmq	<b>&gt; 78,5</b>	≥ 20
5.8.3	Abrasion resistance (lost volume)	mm <sup>3</sup>	<b>35</b>	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	<b>1</b>	≤ 4
5.8.5	Interlayer bond strength	N/mm	<b>&gt; 5</b>	≥ 4
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	<b>-0,8</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>0,51</b>	≥ 0,28
	SRB : steel + glycerol – flat		<b>0,27</b>	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		<b>0,19</b>	≥ 0,13