

**Prod. Ref.** 78802-000  
**Safety cat.** S3 SRC  
**Range of sizes** 35 - 48 (2 - 13)  
**Weight (sz. 8)** 520 g  
**Shape** A  
**Width** 11

**Description:** Black **TECHSHELL**, innovative, very tough, abrasion resistant, water repellent and breathable fabric shoe, **SANY-DRY®** 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

**Complete shoe** **Toe cap:** **ALUMINIUM** made, ultra light, impact resistant until 200 J and compression resistant until 1500 Kg  
**Anti perforation midsole:** in multi-layers highly tensile fabric, penetration resistant, **Zero Perforation**

**Antistatic shoe:** the bottom is fit for the dissipation of electrostatic charges

**Energy absorption system**

**TECHSHELL**, innovative, very tough, abrasion resistant, water repellent and breathable fabric, colour black

**Vamp lining** Textile, breathable, abrasion resistant, colour black  
 Thickness 1,2 mm

**Quarter lining** **SANY-DRY®**, breathable, antibacterial, abrasion resistant, colour black  
 thickness 1,2 mm

**Sole** Antistatic Polyurethane/TPU directly injected in the upper:

**Outsole:** Ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.  
**Midsole:** Black polyurethane, low density, comfortable and anti-shock.

Adherence coefficient of the sole

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	15,5	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	15	≥ 14
6.2.1	Penetration resistance	N	To 1100 N	≥ 1100
			<b>No perforation</b>	
6.2.2.2	Electric resistance	MS2	389	≥ 0.1
	- wet	MS2	706	≤ 1000
	- dry	J	28	≥ 20
6.2.4	Shock absorption	mg/cmq h	> 1,8	≥ 0,8
5.4.6	Water vapour permeability	mg/cmq	> 15,7	> 15
	Permeability coefficient			
6.3.1	Water absorption		15%	≤ 30%
	Water penetration		0,0 g	≤ 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>	
5.5.3	Water vapour permeability	mg/cmq h	> 6,3	≥ 2
	Permeability coefficient	mg/cmq	> 51,1	≥ 20
5.5.3	Water vapour permeability	mg/cmq h	> 10,3	≥ 2
	Permeability coefficient	mg/cmq	> 82,8	≥ 20
5.8.3	Abrasion resistance (lost volume)	mm <sup>3</sup>	37	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	1	≤ 4
5.8.5	Interlayer bond strength	N/mm	3,8	≥ 3
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	1,3	≤ 12
5.3.5	SRA : ceramic + detergent solution – flat		0,60	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		0,52	≥ 0,28
	SRB : steel + glycerol – flat		0,28	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		0,19	≥ 0,13

