



Description: Black highly breathable **BREATHEX** fabric with 3D texture and **MICROTECH** shoe, **SANY-DRY®** 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; the upper part absorbs moisture and keeps the foot dry. Perfumed sole. Leather toe cap protection

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

Prod. Ref. 78450-002
Safety cat. S1 P SRC
Range of sizes 35 - 48 (2 - 13)
Weight (sz. 8) 533 g
Shape A
Width 11

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

BREATHEX, 3D texture, highly breathable, abrasion resistant, colour black

Upper Black breathable **MICROTECH**

thickness 1,8 mm

Textile, breathable, abrasion resistant, colour black

Thickness 1,2 mm

Quarter **SANY-DRY®**, breathable, abrasion resistant, colour black

thickness 1,2 mm

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
6.2.2.2	Electric resistance			
	- wet	MΩ	388	≥ 0.1
	- dry	MΩ	706	≤ 1000
6.2.4	Shock absorption	J	28	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	> 8,8	≥ 0,8
5.4.3	Permeability coefficient	mg/cmq	> 72,1	> 20
	Tear resistance	N	88,4	≥ 60
	Abrasion resistance	Cycle	> 100.000	
5.4.6	Water vapour permeability	mg/cmq h	> 1	≥ 0,8
	Permeability coefficient	mg/cmq	> 15,3	> 15
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 ³	37	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	1	≤ 4
5.8.5	Interlayer bond strength	N/mm	> 5	≥ 4
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	-0,6	≤ 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