



## TECHNICAL SHEET ART. ERCOLE

**Description** Low shoe in smooth grain leather water-repellent, black color, 100% polyester lining, non-metallic insole lining HRP INSOLE, Light & Soft insole, antistatic and breathable, bi-component sole (rubber-polyurethane) abrasion resistant, oil resistant, antistatic and heat resistant

**Suggested sectors of usage** Building/construction, utilities, steel industry/foundries, mechanical industry, farming/zootechnics, petrochemical industry, oil & gas industry, naval industry, mineral industry

**Care and Maintenance** Clean periodically the outsole and the upper with non aggressive substances which could compromise quality, safety and durability of the shoe, do not dry close to direct heat source



Class: S3 HRO SRC  
 Sizes: 38-48  
 Instep: 12  
 Weight(±10%): 618 gr. (\*)

Complete shoe	Norm	Description	Unit	FTG result	EN ISO 20345 requirement
<b>Toe cap:</b> Top Composite toe cap, impact resistant 200 J	5.3.2.3	Impact resistance	mm	14,5	>= 14
	5.3.2.4	Compression resistance	mm	14,0	>= 14
<b>Midsole:</b> non metallic HRP Insole with high tenacity fibres layers, ceramized and treated with plasma	6.2.1.1	Perforation resistance	N	1.100	>= 1.100
<b>Antistatic footwear:</b> dissipation capacity of the electrostatic charge	6.2.2.2	Electric resistance			
		- Wet	Mohm	524	>= 0,1
		- Dry	Mohm	947	<= 1000
<b>Capacity of energy absorption in the heel area</b>	6.2.4	Energy absorption in the heel area	J	38,0	>= 20
<b>Upper:</b> smooth grain leather water-repellent, black colour, thickness 2,0 mm	5.4.6	Water vapour permeability	mg/cmq h	1,0	>= 0,8
		Coefficient of permeability	mg/cmq	16,8	>= 15
	5.4.3	Tearing Strength	N	199	>= 120
<b>Vamp lining:</b> non woven textile for toe cap, grey color	5.5.3	Water vapour permeability	mg/cmq h	3,4	>= 2
		Coefficient of permeability	mg/cmq	30,2	>= 20
	5.5.1	Tearing Strength	N	30	>= 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	25.600
		Abrasion resistance (wet)	cycles	no rupture	12.800
<b>Quarter lining:</b> 100% honeycomb finished polyester, breathable, abrasion resistant, red color	5.5.3	Water vapour permeability	mg/cmq h	6,8	>= 2
		Coefficient of permeability	mg/cmq	54,4	>= 20
	5.5.1	Tearing Strength	N	50,7	>= 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	51.200
		Abrasion resistance (wet)	cycles	no rupture	25.600
<b>Insole lining:</b> textile anti perforation midsole HRP Insole	5.7.3	Water Absorption	Mg/cm <sup>2</sup>	82	>= 70
		Ability to release water		97%	>= 80%
<b>Sole:</b> nitril rubber outsole applied to a polyurethane midsole with low density and completely injected; abrasion resistant, oil resistant, antistatic and heat resistant	5.8.2	Tearing Strength	kN/m	8,4	>= 8
	5.8.3	Abrasion resistance	mm <sup>3</sup>	137	<= 150
	5.8.4	Bending resistance	mm	2,0	<= 4
	6.4.2	Hydrocarbons resistance (volume increase)	%	5,0%	<= 12%
	5.11	Slip resistance on ceramic floor with water and detergent	flat	0,45	>= 0,32
			inclined	0,32	>= 0,28
		Slip resistance on steel floor with glycerine	flat	0,22	>= 0,18
			inclined	0,13	>= 0,13

Azo dye free: no presence of azo dye forbidden by normative 1907/2006/CE Attachment XVII (method UNI EN 14362-1:2012 + 14362-3:2012 Textile)

(\*) = Indicative weight that refers to ½ pair in size 42