



## TECHNICAL SHEET ART. BETA



**Description** low shoe in black leather, 100% polyester lining, FTG Comfort insole, extractable and washable, polyurethane sole, bending resistant, abrasion resistant, oil resistant, slip resistant, antistatic  
**Suggested sectors of usage** Building/construction, utilities, naval industry, mineral industry, cooperative society  
**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 SRC  
 Sizes: 35-48  
 Instep: 11  
 Weight(±10%): 570 gr. (\*)

Complete shoe	Norm	Description	Unit	FTG result	EN ISO 20345 requirement
<b>Toe cap:</b> steel 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	951,0	>= 0,1
		- Dry	Mohm	1000,0	<= 1000
<b>Capacity of energy absorption in the heel area</b>	6.2.4	Energy absorption in the heel area	J	35,0	>= 20
<b>Upper:</b> leather, black color, thickness 2.0 mm	5.4.6	Water vapour permeability	mg/cmq h	1,3	>= 0,8
		Coefficient of permeability	mg/cmq	19,6	>= 15
	5.4.3	Tearing Strength	N	208	>= 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	25	>= 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>	78	>= 70
		Ability to release water		99%	>= 80%
<b>Sole:</b> monodensity polyurethane, bending resistant, abrasion resistant, oil resistant, slip resistant, antistatic	5.8.2	Tearing Strength	kN/m	5,5	>= 5
	5.8.3	Abrasion resistance	mm <sup>3</sup>	98	<= 250
	5.8.4	Bending resistance	mm	3,0	<= 4
	5.8.5	Hydrolysis	mm	2,0	<= 6
	6.4.2	Hydrocarbons resistance (volume increase)	%	0,2	<= 12%
	5.11	Slip resistance on ceramic floor with water and detergent	flat	0,40	>= 0,32
			inclined	0,35	>= 0,28
		Slip resistance on steel floor with glycerine	flat	0,18	>= 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 14362-1:2004 – Textile)

(\*) = Indicative weight that refers to 1/2 pair in size 42