



Class: S3 SRC
 Sizes: 38-47
 Instep: 12
 Weight(±10%): **525 gr.** (*)

TECHNICAL SHEET ART. UNIVERSE

Description Low shoe in black Safety-Leather with padded storm-cuff, 100% polyester lining, Non-Metallic HRP Insole , RELAX Insole, antistatic, breathable, mono density polyurethane sole , bending resistant , abrasion resistant , oil resistant , slip resistant , ESD.

Suggested sectors of usage Building/Carpentry, Logistics/Warehouse, Mechanical Industry, Light jobs, public jobs, Professional / Craftsman.

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.



Complete shoe	Norm	Description	Unit	FTG result	EN ISO 20345 requirements
Toe Cap: Non-Metallic TOP COMPOSITE toe cap, impact resistant 200 J	5.3.2.3	Impact resistance	mm	17	≥ 12,5
	5.3.2.4	Compression resistance	mm	16,5	≥ 12,5
Midsole: non metallic HRP Insole with high tenacity fibres multi layers, polyester composition, perforation resistant.	6.2.1.1	Perforation resistance	N	1.100	≥ 1.100
	5.7.3	Water absorption	Mg/Cm ²	No perf.	≥ 70
		Water desorption		140	
ESD footwear: dissipation capacity of the electrostatic charge	EN ISO 61340 5-1:2016	Electrical resistance	Mohm	100%	≥ 80%
		CLASS 2		50,2	< 35
Capacity of Energy Absorption in the heel area	6.2.4	Energy absorption in the heel area	J	39	≥ 20
Upper: Black Safety-Leather, High Tex inserts, black color	5.4.6	Water vapour permeability	mg/cm ² h	2,0	≥ 0,8
	5.4.3	Coefficient of permeability	mg/cm ²	18,7	≥ 15
		Tearing Strength	N	118	≥ 60
Vamp/Quarter Lining: honeycomb 100% finished polyester, breathable, abrasion resistant, black colour	5.5.3	Water vapour permeability	mg/cm ² h	132,3	≥ 2
	5.5.1	Coefficient of permeability	mg/cm ²	1058,7	≥ 20
		Tearing Strength	N	43,5	≥ 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	25.600
Sole: double density polyurethane, bending resistant, abrasion resistant, oil resistant, slip resistant, ESD	5.8.2	Abrasion resistance (wet)	cycles	no rupture	12.800
	5.8.2	Tearing Strength	kN/m	7,2	≥ 5
	5.8.3	Abrasion resistance (black)	mm ³	125	≤ 250
	5.8.4	Bending resistance	mm	0	≤ 4
	5.8.5	Hydrolysis	mm	0	≤ 6
	6.4.2	Hydrocarbons resistance (volume increase)	%	2,8%	≤ 12%
	5.11	Slip resistance on ceramic floor with water and detergent	front	0,55	≥ 0,32
			heel 7°	0,48	≥ 0,28
			front	0,19	≥ 0,18
		Slip resistance on steel floor with glycerine	heel 7°	0,13	≥ 0,13

In model UNIVERSE and its components there is no presence of dangerous substances by Annex XVII to regulation no. 1907/2006/CE and subsequent amendments and additions

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