



## TECHNICAL SHEET ART. KHIONE

Class:  
EN ISO 20345:2011  
S3 HRO CI WR SRC  
Sizes: 38-48  
Instep: 12  
Weight(±10%): 747 gr. (\*)

**Description** High shoe in Black waxy smooth TOP LEATHER, HIGH-TEX inserts and ZIP WATERPROOF , FTG WATER-STOP MEMBRANE lining, non-metallic insole lining HRP INSOLE , THERMO-PLUS insole with high thermal isolation, bi-component sole (rubber-polyurethane) abrasion resistant, oil resistant, antistatic and heat resistant , with the "little pad" SOFT WALK inside.

**Plus** toe protection PRO CAP

**Suggested sectors of usage** Building/Costruction, Utilities, Mechanical Industry, Farming/Zootechnics, Petrochemical Industry, Cold Enviroment, Mineral Industry/Mining

**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 requirement
<b>Toe cap:</b> Top Composite toe cap, impact resistant 200 J	5.3.2.3	Impact resistance	mm	15,0	>= 14
	5.3.2.4	Compression resistance	mm	15,0	>= 14
<b>Midsole:</b> non metallic HRP Insole with high tenacity fibers layers, ceramized and treated with plasma	6.2.1.1	Perforation resistance	N	1.100	>= 1.100
	6.2.2.2	Electric resistance			
- Wet		Mohm	76,8	>= 0,1	
<b>Antistatic footwear:</b> dissipation capacity of the electrostatic charge	- Dry	Mohm	243	<= 1000	
	6.2.4	Energy absorption in the heel area	J	34,0	>= 20
<b>Upper:</b> Black waxy smooth TOP LEATHER , thickness 2,0 mm	5.4.6	Water vapour permeability	mg/cmq h	2,8	>= 0,8
	5.4.3	Coefficient of permeability	mg/cmq	31,8	>= 15
		Tearing Strength	N	244	>= 120
<b>Vamp lining:</b> membrane lining , grey color	5.5.3	Water vapour permeability	mg/cmq h	4,5	>= 2
	5.5.1	Coefficient of permeability	mg/cmq	37,2	>= 20
		Tearing Strength	N	73	>= 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	51.200
<b>Quarter lining:</b> membrane lining , grey color	5.5.2	Abrasion resistance (wet)	cycles	no rupture	25.600
		5.5.3	Water vapour permeability	mg/cmq h	4,5
	5.5.1	Coefficient of permeability	mg/cmq	37,2	>= 20
		Tearing Strength	N	73	>= 15
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	51.200
5.5.2	Abrasion resistance (wet)	cycles	no rupture	25.600	
	5.7.3	Water Absorption	Mg/cm <sup>2</sup>	78	>= 70
<b>Insole lining:</b> textile anti perforation midsole HRP Insole		5.7.3	Ability to release water		99%
	5.8.2		Tearing Strength	kN/m	8,4
	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%
	5.1.1	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			

Khione style and its components: no presence of dangerous substances by Annex VII to regulation no. 1907/2006/CE and subsequent amendments and additions

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

