



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

## TECHNICAL SHEET ART. KHIONE

**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	
<b>Antistatic footwear:</b> dissipation capacity of the electrostatic charge	6.2.2.2	Electric resistance				
		- Wet	Mohm	76,8	>= 0,1	
		- Dry	Mohm	243	<= 1000	
<b>Capacity of energy absorption in the heel area</b>	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	
		Coefficient of permeability	mg/cmq	31,8	>= 15	
	5.4.3	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	
		Coefficient of permeability	mg/cmq	37,2	>= 20	
	5.5.1	Tearing Strength	N	73	>= 15	
	5.5.2	Abrasion resistance (dry)	cycles	no rupture	51.200	
		Abrasion resistance (wet)	cycles	no rupture	25.600	
<b>Quarter lining:</b> membrane lining , grey color	5.5.3	Water vapour permeability	mg/cmq h	4,5	>= 2	
		Coefficient of permeability	mg/cmq	37,2	>= 20	
	5.5.1	Tearing Strength	N	73	>= 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> nitril rubber outsole applied to a polyurethane midsole with low density and completely injected; abrasion resistant, oil resistant, insulating 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%	
	5.1.1	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

