PRODUCT SHEET

PROTECTOR BIS S3 M HRO SRC

Prod. Ref.	26630-000
Safety cat.	S3 M HRO SRC
Range of sizes	39 - 48 (6 - 13)
Weight (sz. 8)	730 g
Shape	B
Wide (3 - 6)	10
Wide (6,5 - 13)	11

Description: Black water repellent printed leather ankle boot, **Texelle** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: Wide metatarsal protection. Footbed **AIR** made of EVA and fabric, antistatic, anatomic, holed, antistatic. It guarantees high stability thanks to its different thicknesses in the plantar area. **ANTI TORSION SUPPORT** made of polycarbonate and fibreglass conveniently placed between heel and sole, which provides support and protection of the plantar arch, thus preventing harmful bendings and/or unwilled torsion. Outsole resistant to +300°C (1 minute contact). Padded collar. Quick release system **Clip-Duck®.**

Suggested uses: Any areas where there hanging loads or whenever loads may fall on the metatarsal part of the foot.

Care and maintenance: Clean after each use and dry off away from direct heat; treat the leather with a suitable shoe-polish. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water.

MATERIALS / ACCESSORIES

Complete shoe	**metatarsal protection**	
Complete shoe	**Toe cap:** non metallic **TOP RETURN** toe cap, impact resistant until 200 J	
	and compression resistant until 1500 kg	
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, **Zero Perforation**	
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	
	Energy absorption system: polyurethane low density and heel profile	
Upper	Black water repellent printed leather	
	thickness 1,6/1,8 mm	
Quarter	**Texelle**, breathable, abrasion resistant, colour black	
lining	thickness 1,2 mm	
Sole	**PU**/Nitrile rubber, antistatic, resistant to high temperatures, directly injected in the upper:	
	Outsole: black nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant and heat resistant.	
	Midsole: black PU, low density, comfortable and anti-shock.	
	Adherence coefficient of the sole	

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	requirement
6.2.6.2	Shock resistant (free high after shock)	mm	**42**	⬅ 40
5.3.2.3	Shock resistance (clearance after shock)	mm	**16,5**	⬅ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	**16**	⬅ 14
6.2.1	Penetration resistance	N	**To 1100 N** **No Perforation**	⬅ 1100
6.2.2.2	Electric resistance			
	- wet	MΩ	**116**	⬅ 0.1
	- dry	MΩ	**450**	⬆ 1000
6.2.4	Shock absorption	J	**> 33**	⬅ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 2,4**	⬅ 0,8
	Permeability coefficient	mg/cmq	**> 26,3**	> 15
6.3.1	Water resistance	minutes	**> 60**	> 60
5.5.3	Water vapour permeability	mg/cmq h	**> 6,8**	⬅ 2
	Permeability coefficient	mg/cmq	**> 55,4**	⬅ 20
5.8.3	Abrasion resistance (lost volume)	mm^3	**95**	⬆ 150
5.8.4	Flexing resistance (cut increase)	mm	**2**	⬆ 4
5.8.6	Interlayer bond strength	N/m	**> 5**	⬅ 4
6.4.4	Hot resistance (300 °C)	----	**any melting**	any melting
6.4.2	Hydrocarbons resistance (▼V = volume increase)	%	**+ 2,7**	⬆ 12
5.3.5	SRA : ceramic + detergent solution – flat		**0,36**	⬅ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,32**	⬅ 0,28
	SRB : steel + glycerol – flat		**0,18**	⬅ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		**0,13**	⬅ 0,13

Emesso dal Laboratorio Prove Tecniche