

Prod. Ref. 80390-001
Safety cat. S3 WR HRO SRC
Range of sizes 39 - 47
Weight (sz. 42) 720 g
Shape B
Wide 11

Description: Brown water repellent Pull-Up nubuck boot, **GORE-TEX[®] HPR[®]** membrane lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole.

Plus: Footwear completely free from metal parts. **SOFT-Bed** footbed, made of soft PU, removable, covered with cloth. Outsole resistant to +300°C (1 minute contact). Padded collar.

Suggested uses: Engineering jobs, building industry, maintenance jobs.

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

Whole footwear	Water resistance	
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	
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	
	Energy absorption system: polyurethane low density and heel profile	
Upper	Brown water repellent Pull-Up nubuck thickness 1,8 mm	
Lining	GORE-TEX[®] HPR[®] membrane, breathable and abrasion resistant, colour grey thickness 1.2 mm	
Sole	Antistatic polyurethane - rubber, directly injected in the upper:	
	Outsole: Beige rubber, anti slip, abrasion resistant, hydrocarbons resistant, and heat resistant.	
	Midsole: Brown polyurethane low density, comfortable and antishock	
	Adherence coefficient of the sole	

SAFETY TECHNICAL SPECIFICATIONS

	Clause EN ISO 20344 :2004	Description	Unit	Cofra result	EN ISO 20345:2004 requirement
	5.15.1	Water resistance (area of water penetration after 100 paces in a surface flooded with water)	cm ²	≤ 3	≤ 3
	5.3.2.3	Shock resistance (clearance after shock)	mm	15,5	≥ 14
	5.3.2.4	Compression resistance (clearance after compression)	mm	15,1	≥ 14
	6.2.1.5.2	Penetration resistance	N	1300	≥ 1100
	6.2.2.2	Electric resistance			
		- wet	MΩ	240	≥ 0.1
		- dry	MΩ	618	≤ 1000
	6.2.4	Shock absorption	J	> 33,5	≥ 20
	5.4.6	Water vapour permeability	mg/cmq h	> 3,1	≥ 0,8
		Permeability coefficient	mg/cmq	> 32,6	> 20
	6.3.1	Water resistance	minutes	> 90	> 60
	5.5.3	Water vapour permeability	mg/cmq h	> 4,8	≥ 2
		Permeability coefficient	mg/cmq	> 38,8	≥ 30
	5.8.3	Abrasion resistance (lost volume)	mm ³	124	≤ 150
	5.8.4	Flexing resistance (cut increase)	mm	1	≤ 4
	5.8.6	Interlayer bond strength	N/m	> 5	≥ 4
	6.4.4	Hot resistance (300 °C)	---	any melting	any melting
	5.8.7	Hydrocarbons resistance (ΔV = volume increase)	%	+ 1,4	≤ + 12
	5.3.5	SRA : ceramic + detergent solution – flat		0,56	≥ 0,32
		SRA : ceramic + detergent solution – heel (contact angle 7°)		0,51	≥ 0,28
		SRB : steel + glycerol – flat		0,25	≥ 0,18
		SRB : steel + glycerol – heel (contact angle 7°)		0,19	≥ 0,13

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