COFRA®
BORN TO WORK

PRODUCT SHEET

BUFFALO S3 WR HRO CI SRC

Prod. Ref.	82044-003
Safety cat.	S3 WR HRO CI SRC
Range of sizes	39 - 48 (6 - 13)
Weight (sz. 8)	785 g
Shape	B
Widht	11

Description: Yellow water repellent nubuck ankle boot, **Cambrelle®** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: Footwear Footwear completely free from metal parts. **THINSULATE® B200** cold insulation. **METATARSAL SUPPORT GEL** footbed, made of soft PU, full piece, antistatic, anatomic, removable, covered with cloth. The soft gel insert in the metatarsal area guarantees stability and comfort even on uneven surfaces. Cold and heat insulation. Outsole resistant to +300°C (1 minute contact). Padded collar, bellows tongue. **Sealed stitchings**.

Suggested uses: Engineering jobs, maintenance jobs, buildings, industries.

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**	5.15.1
Complete shoe	**Toe cap:** non metallic **TOP RETURN** toe cap, impact resistant until 200 J	5.3.2.3
	and compression resistant until 1500 kg	5.3.2.4
	Anti perforation midsole: in multi-layers highly tensile fabric, penetration resistant, **Zero Perforation**	6.2.1
	Antistatic shoe: the bottom is fit for the dissipation of electrostatic charges	6.2.2.2
	Cold insulation	6.2.3.2
	Energy absorption system: polyurethane low density and heel profile	6.2.4
Upper	Yellow water repellent nubuck	5.4.6
	thickness 1,8/2,0 mm	
		6.3.1
Vamp	Felt, breathable, colour dark grey	5.5.3
lining	Thickness 1,2 mm	
Quarter	**Cambrelle®**, breathable, abrasion resistant, colour brown	5.5.3
lining	thickness 1,2 mm	
Sole	Antistatic polyurethane – nitrile rubber, directly injected in the upper:	5.8.3
		5.8.4
	Outsole: beige nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons	5.8.6
	resistant, and hot resistant.	6.4.4
	Midsole: beige polyurethane low density, comfortable and anti-shock.	6.4.2
	Adherence coefficient of the sole	5.3.5

SAFETY TECHNICAL SPECIFICATIONS

Description	Unit	Cofra result	requirement
Water resistance (area of water penetration after 1000 paces in a surface flooded with water)	cm^2	**≤ 3**	≤ 3
Shock resistance (clearance after shock)	mm	**15**	≥ 14
Compression resistance (clearance after compression)	mm	**15**	≥ 14
Penetration resistance	N	**To 1100 N**	≥ 1100
		No perforation	
Electric resistance			
- wet	MΩ	**130**	≥ 0.1
- dry	MΩ	**471**	≤ 1000
Cold insulation (temp. decrease after 30' C at -17 °C)	°C	**9**	≤ 10
Shock absorption	J	**> 41**	≥ 20
Water vapour permeability	mg/cmq h	**> 3,5**	≥ 0,8
Permeability coefficient	mg/cmq	**> 35,8**	> 15
Water resistance	minutes	**> 60**	> 60
Water vapour permeability	mg/cmq h	**> 4,7**	≥ 2
Permeability coefficient	mg/cmq	**> 40,6**	≥ 20
Water vapour permeability	mg/cmq h	**> 4,7**	≥ 2
Permeability coefficient	mg/cmq	**> 39,5**	≥ 20
Abrasion resistance (lost volume)	mm^3	**85**	≤ 150
Flexing resistance (cut increase)	mm	**1**	≤ 4
Interlayer bond strength	N/m	**> 5**	≥ 4
Hot resistance (300 °C)	----	**any melting**	any melting
Hydrocarbons resistance (ΔV = volume increase)	%	**+ 1**	≤ 12
SRA : ceramic + detergent solution – flat		**0,56**	≥ 0,32
SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,50**	≥ 0,28
SRB : steel + glycerol – flat		**0,25**	≥ 0,18

Emesso dal Laboratorio Prove Tecniche

SRB : steel + glycerol – heel (contact angle 7°)	**0,17**	≥ 0,13