COFRA
BORN TO WORK

PRODUCT SHEET

MONTANA S3 HI CI HRO SRC

Prod. Ref.	26680-000
Safety cat.	S3 HI CI HRO SRC
Range of sizes	40 - 48 (6,5 - 13)
Weight (sz. 8)	780 g
Shape	C
Width (6,5 - 13)	11

Description: Beige water repellent full grain leather rigger boot, **TEXELLE** lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**

Plus: METAL FREE. Cold protection thanks to **THINSULATE™ B200**. **HEAT BARRIER** footbed made of soft and scented polyurethane, antistatic, anatomic, insulating against high temperatures, covered with cloth. The thermal comfort inside the footwear is granted thanks to the special polyurethane compound devised to give high insulation. **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). Perfumed sole

Suggested uses: Construction, maintenance, 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

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	
	Heat insulation	
	Cold insulation	
	Energy absorption system	
Upper	Beige water repellent full grain leather	
	thickness 1,8//2,0 mm	
Vamp	Felt, breathable, colour dark grey	
lining	Thickness 1,2 mm	
Lining	**TEXELLE**, breathable, abrasion resistant, colour brown	
	thickness 1,2 mm	
Sole	**P**olyurethane /Nitrile rubber, antistatic, resistant to high temperatures, directly injected in the upper:	
	Outsole: beige nitrile rubber, slipping resistant, abrasion resistant, hydrocarbons resistant and heat resistant.	

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	**15**	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	**15**	≥ 14
6.2.1	Penetration resistance	N	**To 1100 N**	≥ 1100
			No Perforation	
6.2.2.2	Electric resistance			
	- wet	MΩ	**66,2**	≥ 0.1
	- dry	MΩ	**872**	≤ 1000
6.2.3.1	Heat insulation (temp. increase after 30' at **150** °C)	°C	**17,5**	≤ 22
6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	**6,5**	≤ 10
6.2.4	Shock absorption	J	**29**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 3,4**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 29,3**	> 15
6.3.1	Water resistance	minutes	**8%**	> 60
			0,0 g	
5.5.3	Water vapour permeability	mg/cmq h	**> 4,7**	≥ 2
	Permeability coefficient	mg/cmq	**> 40,6**	≥ 20
5.5.3	Water vapour permeability	mg/cmq h	**> 6,5**	≥ 2
	Permeability coefficient	mg/cmq	**> 53,3**	≥ 20
5.8.3	Abrasion resistance (lost volume)	mm^3	**90**	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	**1,5**	≤ 4
5.8.6	Interlayer bond strength	N/m	**4,4**	≥ 3
6.4.4	Hot resistance (300 °C)	----	**any melting**	any melting

Emesso dal Laboratorio Prove Tecniche

Midsole:	beige polyurethane, made of a special compound which resists to 150°C for 30 minutes without its chemical-physical features being altered	6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	**+ 2,5**	≤ 12
Adherence coefficient of the sole		5.3.5	SRA : ceramic + detergent solution – flat		**0,42**	≥ 0,32
			SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,33**	≥ 0,28
			SRB : steel + glycerol – flat		**0,22**	≥ 0,18
			SRB : steel + glycerol – heel (contact angle 7°)		**0,16**	≥ 0,13