PRODUCT SHEET

LANDSCAPE O2 WR SRC FO

Prod. Ref.	22180-001
Safety cat.	O2 WR SRC FO
Range of sizes	40 - 47 (6,5 - 12)
Weight (sz. 8)	580 g
Shape	B
Width	11

Description: Brown water repellent Pull-up nubuck and breathable textile ankle boot, **COFRA-TEX** waterproof membrane lining, antistatic, anti-shock, slipping resistant

Plus: COFRA-TEX WATERPROOF UNIVERSAL membrane with **"PROOF-LINING"** construction system stitched directly to the footbed and sealed with specific glue. Waterproofness is guaranteed as well from the sealing of the polyurethane sole, which prevents water leaking. Water does not penetrate into the footwear but the vapour molecules evaporate through the membrane keeping the foot dry. **EVANIT** footbed, made of EVA and nitrile special compound, with high bearing capacity and variable thickness. Thermoformed, punched and coated with highly breathable fabric. Antistatic thanks to a specific treatment on the surface and to seams made of conductive yarns. Arch 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

Suggested uses: Footwear for wet environments

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	**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 1,6/1,8 mm	
Upper	Brown water repellent and breathable textile	
Lining	**COFRA-TEX** membrane, breathable and abrasion resistant, colour grey	
	thickness 1.2 mm	
Insole	Antistatic, absorbent, abrasion and flaking resistant.	
Sole	Antistatic dual-density polyurethane directly injected in the upper:	
	Outsole: black, high density, slipping resistant, abrasion	
	resistant and hydrocarbons resistant,	
	Midsole: black, low density, comfortable and anti-shock	
	Adherence coefficient of the sole	

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20347:2012	Description	Unit	Cofra result	Requirement
5.15.1	Water resistance (area of water penetration after 1000 paces in a surface flooded with water)	cm^2	**≤ 3**	≤ 3
6.2.2.2	Electric resistance			
	- wet	MΩ	**120**	≥ 0.1
	- dry	MΩ	**472**	≤ 1000
6.2.4	Shock absorption	J	**34**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 4,4**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 44,5**	> 15
6.3.1	Water absorption		**21%**	≤ 30%
	Water penetration		**0,1 g**	≤ 0,2 g
5.4.6	Water vapour permeability	mg/cmq h	**> 2**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 16**	> 15
6.3.1	Water absorption		**30%**	≤ 30%
	Water penetration		**0,0 g**	≤ 0,2 g
5.5.3	Water vapour permeability	mg/cmq h	**> 6,4**	≥ 2
	Permeability coefficient	mg/cmq	**> 51,2**	≥ 20
5.7.4.1	Abrasion resistance	cycle	**> 400**	≥ 400
5.8.3	Abrasion resistance (lost volume)	mm^3	**53**	≤ 150
5.8.4	Flexing resistance (cut increase)	mm	**1**	≤ 4
5.8.6	Interlayer bond strength	N/mm	**> 5**	≥ 4
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	**+ 0,2**	≤ 12
5.3.5	SRA : ceramic + detergent solution – flat		**0,42**	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,34**	≥ 0,28
	SRB : steel + glycerol – flat		**0,20**	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		**0,14**	≥ 0,13

Made by Technical Dept.