COFRA®
BORN TO WORK

PRODUCT SHEET

KOBLET O2 CI FO SR

Prod. Ref.	78611-N00
Safety cat.	O2 CI FO SR
Range of sizes	36 - 47 (3 - 12)
Weight (sz. 8)	436 g
Shape	A
Width	11

Description: Black water repellent nubuck shoe, textile lining, antistatic, anti-shock, slipping resistant

Plus: 100% METAL FREE. **FOOT-PAD** footbed, extremely soft and comfortable footbed. Thanks to the very low density polyurethane, the footbed is self-molding granting a right distribution of the body weight and providing an immediate feeling of comfort. High shock absorption is provided from highly resilient material and a perfect cushion in the central area of the heel. Perfumed sole.

Suggested uses: Warehouses, transportation sector, industries

Care and maintenance: Clean after each use and dry off away from direct heat. Avoid contact with aggressive chemicals or extreme temperature. Avoid immersion in sea water, lime water or cement mixed with water

MATERIALS / ACCESSORIES

Complete shoe	**Antistatic shoe:** the bottom is fit for the dissipation of electrostatic charges	
	Cold insulation	
	Energy absorption system	
Upper	Black water repellent Nubuck	
	thickness 1,8//2,0 mm	
Upper	Black water repellent suede leather	
	thickness 1,8//2,0 mm	
Vamp	Felt, breathable, colour dark grey	
lining	thickness 1,2 mm	
Quarter	Textile, breathable, abrasion resistant, colour black	
lining	Thickness 1,2 mm	
Insole	Antistatic, absorbent, abrasion and flaking resistant..	
Sole	Antistatic Polyurethane/TPU, with **recycled rubber granules**, directly injected in the upper:	
	Outsole: ice TPU, slipping resistant, abrasion resistant and hydrocarbons resistant.	
	Midsole: black polyurethane, low density, comfortable and anti-shock.	
	Adherence coefficient of the sole (Slip resistance)	

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20347:2022	Description	Unit	Cofra result	Requirement
6.2.2.2	Electric resistance			
	- wet	MΩ	**66**	≥ 0.1
	- dry	MΩ	**169**	≤ 1000
6.2.3.2	Cold insulation (temp. decrease after 30' C at -17 °C)	°C	**6**	≤ 10
6.2.4	Shock absorption	J	**26**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 4,1**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 50,5**	≥ 15
6.3	Water absorption		**10%**	≤ 30%
	Water penetration		**0,0 g**	≤ 0,2 g
5.4.6	Water vapour permeability	mg/cmq h	**> 4,1**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 33,8**	≥ 15
6.3	Water absorption		**25%**	≤ 30%
	Water penetration		**0,1 g**	≤ 0,2 g
5.5.4	Water vapour permeability	mg/cmq h	**> 5**	≥ 2
	Permeability coefficient	mg/cmq	**> 41,9**	≥ 20
5.5.4	Water vapour permeability	mg/cmq h	**> 5**	≥ 2
	Permeability coefficient	mg/cmq	**> 41,8**	≥ 20
5.7.4.1	Abrasion resistance	cycle	**> 400**	≥ 400
5.8.4	Abrasion resistance (lost volume)	mm^3	**110**	≤ 150
5.8.5	Flexing resistance (cut increase)	mm	**2,4**	≤ 4
5.8.7	Interlayer bond strength	N/mm	**3,5**	≥ 3
6.4.2	Hydrocarbons resistance (ΔV = volume increase)	%	**2,3**	≤ 12
5.3.5.2	ceramic + detergent solution – forepart (contact angle 7°)		**0,61**	≥ 0,36
	ceramic + detergent solution – heel (contact angle 7°)		**0,48**	≥ 0,31
6.2.10	SR : ceramic + glycerol – forepart (contact angle 7°)		**0,24**	≥ 0,22
	SR : ceramic + glycerol – heel (contact angle 7°)		**0,46**	≥ 0,19