COFRA®
BORN TO WORK

PRODUCT SHEET

THROW S3 SRC

Prod. Ref.	35070-003
Safety cat.	S3 SRC
Range of sizes	39 - 47 (6 - 12)
Weight (sz. 8)	580 g
Shape	A
Width	11

Description: Black water repellent printed leather shoe, textile lining, antistatic, anti-shock, slipping resistant, non metallic **APT Plate** midsole **Zero Perforation**.

Plus: **PU15** footbed, made of scented and highy shock absorbing polyurethane, thans to the 15 mm thickness in the heel area, anatomic, antistatic, holed. The upper layer is made of antibacterial textile to prevent from bad odours, to absorb moisture and keep the foot dry. Perfumed sole. **Provided with another pair of laces of a different colour**

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:** **ALUMINIUM** made, ultra light, 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	
	Energy absorption system: polyurethane low density and heel profile	
Upper	Black water repellent printed leather	
	thickness 1,4/1,6 mm	
Vamp	Felt, breathable, colour grey	
lining	Thickness 1,2 mm	
Quarter	Textile, breathable, abrasion resistant, colour white	
lining	Thickness 1,2 mm	
Sole	Antistatic dual density polyurethane directly injected in the upper:	
	Outsole: black, high density, slipping resistant, abrasion	
	resistant and hydrocarbons resistant,	
	Midsole: ivory, low density, comfortable and anti-shock	
	Adherence coefficient of the sole	

SAFETY TECHNICAL SPECIFICATIONS

Clause EN ISO 20345:2011	Description	Unit	Cofra result	Requirement
5.3.2.3	Shock resistance (clearance after shock)	mm	**14,3**	≥ 14
5.3.2.4	Compression resistance (clearance after compression)	mm	**14,6**	≥ 14
6.2.1	Penetration resistance	N	**To 1100 N**	≥ 1100
			No perforation	
6.2.2.2	Electric resistance			
	- wet	MΩ	**200**	≥ 0.1
	- dry	MΩ	**535**	≤ 1000
6.2.4	Shock absorption	J	**28,5**	≥ 20
5.4.6	Water vapour permeability	mg/cmq h	**> 1**	≥ 0,8
	Permeability coefficient	mg/cmq	**> 17,4**	> 15
6.3.1	Water absorption		**9%**	≤ 30%
	Water penetration		**0,0 g**	≤ 0,2 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	**> 9,8**	≥ 2
	Permeability coefficient	mg/cmq	**> 78,5**	≥ 20
5.8.3	Abrasion resistance (lost volume)	mm^3	**59**	≤ 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)	%	**+ 0,1**	≤ 12
5.3.5	SRA : ceramic + detergent solution – flat		**0,55**	≥ 0,32
	SRA : ceramic + detergent solution – heel (contact angle 7°)		**0,36**	≥ 0,28
	SRB : steel + glycerol – flat		**0,25**	≥ 0,18
	SRB : steel + glycerol – heel (contact angle 7°)		**0,15**	≥ 0,13