

CHELSEA BLACK

S3 SRB

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SIZES 39 - 47

ANILINE LEATHER

High quality leather with excellent resistance to water, petrol and oils. It is great for heavy physical work.

FULL GRAIN LEATHER | NUBUCK LEATHER

Great resistance against water and oils. Materials with excellent breathability and flexibility features.

EXTRA FOAM

Extra layer for increased comfort and energy absorption

STEEL TOE CAP

Protects against pressure up to 200 joules.

LEATHER INSOCK

Soft and breathable.

Q-FLEX INSOLE

Anti-perforation and non-metallic.

ANTI-SLIP TREAD

For excellent adherence on all types of slippery floor surfaces.

CITY PU SOLE

Resistant to oil, slip and high temperatures.



STEEL TOE CAP



Q-FLEX INSOLE



SHOE RESISTANCE TO WATER ABSORPTION

NORMS EN ISO 20345:2011

S3 - Closed heel area with the following characteristics:

- E** - Heel energy absorption
- A** - Antistatic footwear
- FO** - Resistance to fuel oil of the outsole
- P** - Penetration resistance sole
- WRU** - Water penetration resistant uppers

ADDITIONAL CHARACTERISTICS:

SRB - Slip resistance steel and glycerin

ADVANTAGES

Water absorption resistant materials | Breathable | Comfortable |
Excellent anti-slip characteristics

WORK ENVIRONMENT

INDOOR JOBS | ADMINISTRATIVE | OFFICE

CHELSEA BLACK

S3 SRB



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CERTIFICATION NUMBER

TECHNICAL INFORMATION

MATERIALS	STANDARDS	DESCRIPTION	UN.	RESULTS	EN ISO 20345 REQ.
UPPER - BLACK FULL GRAIN LEATHER- Great resistance against water and oils. Materials with excellent breathability and flexibility features.	6.6+6.8	WATER VAPOUR PERMEABILITY	mg/cm ²	3,1	min. 0,8
		COEFFICIENT OF PERMEABILITY	mg/cm ²	31	min. 15
	6.3	TEARING STRENGTH	N	188	min. 120
	6.13	TRANSMITED WATER AFTER 60 MIN	g	0	max. 0,2
		ABSORVED WATER 60 MIN	%	4	max. 30
UPPER LINING - ANILINE - High quality leather with excellent resistance to water, petrol and oils. It is great for heavy pschical work, long-lasting. It's very flexible and with good breathability features.	6.6+6.8	WATER VAPOUR PERMEABILITY	mg/cm ²	7,8	min. 2,0
		COEFFICIENT OF PERMEABILITY	mg/cm ²	66	min. 20
	6.3	TEARING STRENGTH	N	40	min. 15
HEEL LINING - ANILINE - High quality leather with excellent resistance to water, petrol and oils. It is great for heavy pschical work, long-lasting. It's very flexible and with good breathability features.	5.5.1	TEARING STRENGTH	N	40	min. 15
	6.12	ABRASION RESISTANCE (DRY)	-	approved	51.200
		ABRASION RESISTANCE (WET)	-	approved	25.600
INSOLE - Q-FLEX - non metallic and anti-static.	6.2.1.1	PERFORATION RESISTANCE	N	approved	no perforation
INSOCK - COMFORT - Made of polyurethane foam with anti-static points. Supports and stabilizes the foot, optimizing the distribution of the weight and facilitating the balance. Easy to remove for cleaning and drying.	5.5.2	ABRASION RESISTANCE (DRY)	cycles	approved	25.600
		ABRASION RESISTANCE (WET)	cycles	approved	12.800
	7.2	WATER DESORPTION	%	approved	min 80
		WATER ABSORPTION	mg/cm2	approved	min 70
SOLE - CITY - PU - Polyurethane is flexible, lightweight and resistance to oil and 120°C heat. The city sole has soft polyurethane which guarantees excellent restitution of impact energy, softness and comfort for prolonged use. It's extremely light, flexible and elastic. It has good adhesion, good slip and heat resistance	8.2	TEARING STRENGTH	N/mm	14	min 5
	8.3	ABRASION RESISTANCE	mm ³	184	max 250
	8.4	BENDING RESISTANCE	mm	0,0	max 4
	8.6	OIL RESISTANCE	%	5,8	max 12
		VOLUME VARIATION			
		OIL RESISTANCE INCREASED TOUGHNESS	Shore A	<10	max 10
FULL SHOE	5.11	SLIP RESISTANCE ON STEEL FLOOR WITH GLYCERINE	flat heel	0,18	min. 0,18
				0,16	min. 0,13
	5.4	IMPACT RESISTANCE	mm	14,5	min. 14,0
	5.5	COMPRESSION RESISTANCE	mm	17	min. 14,0
	5.14	CHOCK ABSORPTION (HEEL)	J	33	min. 20
	5.2	ADHESION STRENGTH SOLE/CUT	N/mm	4,5	min. 4,0