

ROTH 8A20.20
S3 SRC ESD

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SIZES 36 - 47

EASY FIT

Smooths the entry of the foot and guarantees a better fitting.

SUEDE MATERIAL

100% natural skin, softer and more comfortable. Look trending with high durability and comfort.

ALUMINIUM TOE CAP

Lightweight toe cap against pressure up to 200 joules.



BIORELAX INSOCK

Total recovery insock with active carbon filter to reduce odour.

THERMAL INSULATION

Increased isolation by up to 52%, keeping feet warmer

Q-FLEX INSOLE

Anti-perforation, non-metallic and anti-static insole.



GRIP REINFORCEMENT

Optimized layout design for better grip to the ground

AIR TUBELESS

AIR TUBELESS RUBBER SOLE

Exclusive comfort technology TOWORKFOR patented worldwide that prevents low back pain and reduces muscle effort by up to 55%.



ALUMINIUM TOE CAP



Q-FLEX INSOLE



RESISTANCE TO WATER ABSORPTION



ESD ELETROSTATIC DISCHARGE



AIR TUBELESS SOLE



NITRILE RUBBER

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:

- SRC** - Slip resistance on ceramic + sodium lauryl sulfate and steel + glycerin
- ESD** - Electrostatic Discharge (EN 61340-5-1)

ADVANTAGES

Breathable | Comfortable | Excellent anti-slip features | Electrostatic Discharge (ESD) | Water-resistant materials

WORKING ENVIRONMENT

LOGISTICS WORK | POSTMAN | ADMINISTRATIVE | TRANSPORT | SHOPKEEPER | SIMILAR | LIGHT INDUSTRY

ROTH_{8A20.20}

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HIGH PERFORMANCE

MAXIMUM COMFORT

PATENTED TECHNOLOGY, TESTED AND CERTIFIED BY INESCOP

TECHNICAL INFORMATION

MATERIALS	STANDARDS	DESCRIPTION	UN.	RESULTS	REQ. EN ISO 20345:2011	
UPPER - Black SUEDE - Treated skin with excellent perspiration characteristics, softer and more flexible. It is not waterproof but is resistant to water penetration.	6.6+6.8	WATER VAPOUR PERMEABILITY	mg/cm ²	9,0	min. 0,8	
		COEFFICIENT OF PERMEABILITY	mg/cm ²	70	min. 15	
	6.3	TEARING STRENGTH	N	204	min. 120	
	6.1.3	TRANSMITED WATER AFTER 60 MIN	g	0,1	max. 0,2	
		ABSORBED WATER 60 MIN	%	12	max. 30	
UPPER LINING POROMAX - Innovative technology due to the structure of the internal chambers that removes hot and moist air from the top of the shoe and facilitates the uniform distribution of temperature inside the shoes.	6.6+6.8	WATER VAPOUR PERMEABILITY	mg/cm ²	50,5	min. 2,0	
		COEFFICIENT OF PERMEABILITY	mg/cm ²	70	min. 15	
	6.3	TEARING STRENGTH	N	29	min. 15	
HEEL LINING ON STEAM - material altamente resistente à abrasão e sem costuras, garantindo um maior conforto.	5.5.1	TEARING STRENGTH	N	95	min. 36	
	6.1.2	ABRASION RESISTANCE (DRY)	-	approved	51.200	
		ABRASION RESISTANCE (WET)	-	approved	25.600	
ELECTROSTATIC DISCHARGE (ESD) Conductive properties of footwear to an electrostatic discharge.	61340-5-1	ELECTRIC PROPERTIES ESD	MΩ	-	<100	
INSOLE Q-FLEX - Non-metallic, and anti static	6.2.1.1	PERFORATION RESISTANCE	N	approved	no perforation	
INSOCK BIORELAX - Anti-fatigue, antibacterial and 100% breathable	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/cm ²	approved	min 70	
SOLE AIR TUBELESS Exclusive comfort system, biomechanically tested by INESCOP, which integrates several benefits: the prevention of low back pain and feet, the 55% reduction in impact on walking and increased thermal insulation. Protects from electrostatic discharges - ESD	8.2	TEARING STRENGTH	N/mm	14,3	min. 8	
	8.3	ABRASION RESISTANCE	mm ³	131	max. 150	
	8.4	BENDING RESISTANCE	mm	1,3	max. 4	
	8.6	OIL RESISTANCE	%	10	max 12	
		VOLUME VARIATION				
		OIL RESISTANCE INCREASED TOUGHNESS	Shore A	<10	max 10	
FULL SHOE	5.1.1	SLIP RESISTANCE IN CERAMIC WITH WATER AND DETERGENT	flat heel	0,40	min. 0,32	
				heel	0,48	min. 0,28
			SLIP RESISTANCE IN STAINLESS WITH GLYCERINE	flat heel	0,24	min. 0,18
				heel	0,18	min. 0,13
	5.4	IMPACT RESISTANCE	mm	14	min. 13,5	
	5.5	COMPRESSE STRENGTH	mm	18	min. 14,5	
	5.1.4	SHOCK ABSORPTION (HEEL)	J	95	min. 20	
	5.2	ADHESION STRENGTH SOLE/CUT	N/mm	13,9	min. 4,0	

SHOE WEIGHT (SIZE 42): 620g