

Applicant: CORTINA N.V.
MEERSBLOEM-MELDEN 42,
9700 OUDENAARDE, BELGIUM
Attn: ROCK/REBECCA

Sample Description:


- Three (3) groups of submitted samples said to be:
(A) Three (3) pairs of Men's Injection lace up low cut safety shoes in Black
(B) One (1) pair of Men's Injection lace up safety ankle boots in Black
(C) Three (3) pairs of Non-metallic anti-penetration inserts.

Standard : ASTM F2413-18
Size : US 9
Buyer's Name : --
Ref. No : LAVA/VOLCANO
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Colour : --
Vendor : --
Supplier : --
P.O. No. : --
Ref. : Men Casual Safety Low with outsole Mould M2026 PU+PU
Country Of Origin : China
Goods Exported To : Belgium/U.S.A.
Date Received/Date Test Started: Apr 19, 2019
Date Final Information Confirmed: --

Test Result Please Refer To Attached Page(S).

Should you have any query on this report, you may contact at gzfootwear@intertek.com

Authorized By:
For Intertek Testing Services Shenzhen Ltd.
Guangzhou Branch



Guiliang Dong
Senior Lab Manager





- 1 Protective Toe Impact Resistance (I) (ASTM F2412-18a, 5, Impact Force: 101.7 J (75 lbf), Testing Performed At 22°C And 50% RH)

	(A)	ASTM F2413-18 Requirement	Pass/Fail
	Interior Height Clearance		
Left:	19.2 mm	≥ 12.7 mm	Pass
Right:	22.0 mm	≥ 12.7 mm	Pass
Left:	21.2 mm	≥ 12.7 mm	Pass

- 2 Protective Toe Compression Resistance (C) (ASTM F2412-18a, 6, Compression Force: 11 121 N (2 500 lbf), Testing Performed At 22°C And 50% RH)

	(A)	ASTM F2413-18 Requirement	Pass/Fail
	Interior Height Clearance		
Left:	22.5 mm	≥ 12.7 mm	Pass
Right:	25.3 mm	≥ 12.7 mm	Pass
Right:	23.7 mm	≥ 12.7 mm	Pass

- 3 Static Dissipative Footwear (SD) (ASTM F2412-18a, 10, Conditioned At 22°C And 50% RH For 24 h And Testing Performed At The Same Conditions)

		(A)	ASTM F2413-18 Requirement	Pass/Fail
Sample 1	Left	$6.5 \times 10^6 \Omega$	*	Pass
	Right	$5.2 \times 10^6 \Omega$	*	Pass
	One Pair	$3.4 \times 10^6 \Omega$	*	Pass
Sample 2	Left	$6.0 \times 10^6 \Omega$	*	Pass
	Right	$5.6 \times 10^6 \Omega$	*	Pass
	One Pair	$3.5 \times 10^6 \Omega$	*	Pass
Sample 3	Left	$4.8 \times 10^6 \Omega$	*	Pass
	Right	$6.1 \times 10^6 \Omega$	*	Pass
	One Pair	$3.3 \times 10^6 \Omega$	*	Pass

Remark: * = SD 100: $1 \times 10^6 \Omega \sim 1 \times 10^8 \Omega$



4 Puncture Resistance Footwear (PR) (ASTM F2412-18a, 11, Conditioned At 22°C And 50% RH For 24 h And Testing Performed At The Same Conditions)

	(B)	<u>ASTM F2413-18 Requirement</u>	<u>Pass/Fail</u>
Left:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1200 N.	Min. 1200 N (*)	Pass
Right:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1200 N.	Min. 1200 N (*)	Pass
Right:	The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1200 N.	Min. 1200 N (*)	Pass

Remark: * = The Test Pin Does Not Visually Penetrate Beyond The Face Of The Material Nearest The Foot.

5 Flex Resistance For Puncture Resistant Devices (ASTM F2412-18a, 11.7 & CSA Z195-14, 6.3.2)

	(B)	<u>ASTM F2413-18 Requirement</u>	<u>Pass/Fail</u>
Left:	No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10 ⁶ Flexes.	*	Pass
Right:	No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10 ⁶ Flexes.	*	Pass
Left:	No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10 ⁶ Flexes.	*	Pass

Remark: * = No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10⁶ Flexes.



End Of Report

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