

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 safety ankle boots in Brown

(B) One (1) pair of Men's Injection lace up low cut safety shoes in Brown

(C) Six (6) pairs of Non-metallic anti-penetration inserts.

Standard : ASTM F2413-18  
Size : US 9  
Buyer's Name : --  
Ref. No : MARS-EH/PLUTO-EH  
Brand : SAFETY JOGGER  
Manufacturer : CORTINA  
Colour : --  
Vendor : --  
Supplier : --  
P.O. No. : --  
Ref. : Men Casual High Safety with outsole Mould M1543 PU+TPU  
Country Of Origin : China  
Goods Exported To : Belgium/U.S.A.  
Date Received/Date Test Started: May 15, 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](mailto: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:	18.6 mm	*	Pass
Right:	19.9 mm	*	Pass
Left:	17.4 mm	*	Pass

Remark: \* = ≥ 12.7 mm

- 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:	17.6 mm	*	Pass
Right:	16.9 mm	*	Pass
Right:	18.7 mm	*	Pass

Remark: \* = ≥ 12.7 mm

- 3 Electric Hazard Resistant Footwear (EH) (ASTM F2412-18a, 9, Conditioned At 22°C And 50% RH For 24 h And Testing Performed At The Same Conditions)

	(A)	ASTM F2413-18 Requirement	Pass/Fail
	Leakage Current		
Left:	0.2 mA	*	Pass
Right:	0.2 mA	*	Pass
Right:	0.2 mA	*	Pass

Remark: \* = No Current Flow Or Leakage Current In Excess Of 1.0 mA Under The Application Of 18000 V At 60 Hz AC For 1 Minute.



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)

	(C)	<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
Left:	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)

	(C)	<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 <sup>6</sup> Flexes.	*	Pass
Right:	No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10 <sup>6</sup> Flexes.	*	Pass
Right:	No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10 <sup>6</sup> Flexes.	*	Pass

Remark: \* = No Signs Of De-lamination Of Layers Or Cracking After 1.5 x 10<sup>6</sup> Flexes.



End Of Report

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