



Total Quality. Assured.
TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L0220

Number: GZHT90866804

Date: Feb 18, 2019

Applicant: CORTINA N.V.
MEERSBLOEM-MELDEN 42,
9700 OUDENAARDE,BELGIUM

Attn: PETER DE MEZURE

Sample Description:

Two (2) groups of submitted samples said to be:

(A) Three (3) pairs of Men's Injection lace up low cut safety shoes in Black

(B) Three (3) pairs of Non-metallic anti-penetration inserts.

Standard : ASTM F2413-18
ASTM F2913-17

Size : US 9

Buyer's Name : CORTINA N.V.

Ref. No : X1100N/X1110

Brand : SAFETYJOGGER

Manufacturer : CORTINA N.V.

Colour : Black

Vendor : --

Supplier : --

P.O. No. : --

Ref. : Men Casual High Safety with M1787 Mould Outsole

Country Of Origin : --

Goods Exported To : Belgium/U.S.A.

Date Received/Date Test Started: Feb. 02, 2019/Feb. 11, 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



Page 1 Of 5

jo / nicoleho

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

深圳天祥质量技术服务有限公司广州分公司

Room 02, 1-8/F. & Room 01, E101/E201/E301/E401/E501/E601/E701/E801,
No.7-2, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, Guangdong, China
广州经济技术开发区科学城彩频路7号之二第1-8层02房、01房101、
E201、E301、E401、E501、E601、E701、E801
Tel: +86 208213 9001 Fax: +86 20 82089909 Postcode: 510663

3/F., Hengyun Building, 235 Kaifa Ave., Guangzhou
Economic & Technological Development District, Guangzhou,
China
中国广州经济技术开发区开发大道235号恒运大厦3楼
Tel: +86 20 83966868 Fax: +86 20 82228169 Postcode: 510730

Tests Conducted (As Requested By The Applicant)

- 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: | 19.4 mm | ≥ 12.7 mm | Pass |
| Right: | 19.6 mm | ≥ 12.7 mm | Pass |
| Left: | 18.9 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: | 24.1 mm | ≥ 12.7 mm | Pass |
| Right: | 24.9 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 | $9.6 \times 10^7 \Omega$ | * |
| | Right | $9.8 \times 10^7 \Omega$ | * |
| | One Pair | $6.6 \times 10^7 \Omega$ | * |
| Sample 2 | Left | $9.8 \times 10^7 \Omega$ | * |
| | Right | $9.5 \times 10^7 \Omega$ | * |
| | One Pair | $6.3 \times 10^7 \Omega$ | * |
| Sample 3 | Left | $8.0 \times 10^7 \Omega$ | * |
| | Right | $9.5 \times 10^7 \Omega$ | * |
| | One Pair | $5.6 \times 10^7 \Omega$ | * |

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 1 200 N | Min. 1 200 N (*) | Pass |
| Right: | The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1 200 N | Min. 1 200 N (*) | Pass |
| Left: | The Test Pin Did Not Penetrate Beyond The Face Of The Material Nearest The Foot Before 1 200 N | Min. 1 200 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 Cracking After 1.5 x 10 ⁶ Flexes. | * | Pass |
| Right: | No Signs Of Cracking After 1.5 x 10 ⁶ Flexes. | * | Pass |
| Left: | No Signs Of 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.



6 Slip Resistance (ASTM F2913-17, Vertical Force: 500 N, 22°C, 50% R.H):

| Sample | Size | Test Floor | Lubricant | Modes | Results |
|--------|-------------|------------|-----------------------|-----------------------|---------|
| (A) | 9 (Left) | Eurotile 2 | NaLS | Forward Heel Slip (#) | 0.34 |
| | | | | Forward Flat Slip (#) | 0.40 |
| | Steel Floor | Glycerine | Forward Heel Slip (#) | 0.13 | |
| | | | Forward Flat Slip (#) | 0.15 | |

Remark: # = Using Standard Shoemaking Last

Note:

It Must Be Noted That The Slip Resistance Test Carried Out In This Report Denotes An Indication Of Slip Of This Particular Footwear/Component On The Surface Mentioned In The Test Item. It Is Important To Note That Footwear Is Subject To Many Different Conditions Encountered In Everyday Use And That It Is Impossible To Make Footwear Resistant To Slip In All Conditions. Nevertheless, It Is Generally Accepted That Problems Are Minimized If The Guideline Coefficients Of Friction Are Achieved.



End Of Report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct. No copy of the test report(except for full text copy) shall be made without the written approval by Intertek.