



中国认可
国际互认
检测
TESTING
CNAS-L0167

Test Report

SL92509273407001FW

Date: March 03,2025 Page 1 of 7

Applicant: CORTINA NV
MEERSBLOEM- MELDEN 42,
9700 OUDENAARDE, BELGIUM

Attn: Peter De Mezure

THIS REPORT SUPERSEDES TEST REPORT NO.SL92439363023501FW DATE: 2024-12-09 ISSUED BY SGS (Guangzhou), ORIGINAL REPORT IS INVALID FROM TODAY. UPDATED SAMPLE INFORMATION.

The following products were identified on behalf of the client as:

Group Reference : **ECODEMPO S3S LOW**
Model(s) Description : **ECODEMPO S3S LOW /SI220184A Safety Low Shoe in Black**

The following sample(s) was/were submitted for testing:

Sample Description : Three Pairs of Safety Low Shoe in Black

Buyer's Name : CORTINA
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Size : Men's US 9
Model Name : ECODEMPO S3S LOW
Reference Number: : SI220184A
Toecap : **SJ Non-metallic Toecap NC522**
Puncture Resistant Device : SJ FLEX composite insert
Sole : Grey Phylon+Black Rubber
Upper : Black Recycled Grid-Tex Polyester Mesh covered by Black/Grey TPU
Collar : Black Recycled Grid-Tex Polyester Mesh
Tongue : Black Recycled Polyester Lowna Mesh
Vamp Lining : Black Recycled Polyester BK Mesh
Quarter Lining : Black Recycled Polyester BK Mesh
Counter Lining : Black Recycled Polyester BK Mesh
Tongue Lining : Black Recycled Polyester BK Mesh
Collar Lining : Black Recycled Polyester BK Mesh
Insole : SJ FLEX composite insert
In-sock (foot-bed) : Dark Grey Polyester Mesh+SJ FOAM2 Memory IND.
Judgment Accordance : ASTM F2413-24
Test Performance/
Standard : See testing results page

Sample Receiving Date : Dec 03, 2024
Testing Period : Dec 03, 2024 ~ Dec 09, 2024

Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).



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Guangzhou Branch / Shoe Samples & Footwear Laboratory

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Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Asan Huang(Approved Signatory)

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| Conclusion | A US 9# | Remark |
|---------------------------------------|---------|--------|
| Protective Toe Impact Resistance | P | |
| Protective Toe Compression Resistance | P | |
| Static Dissipative | P | |
| Slip Resistance (Dry and Wet) | P | |
| Slip Resistance (Oily/Wet) | P | |

Remark(s) : P = Meet Client's Requirement.



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Test Result

Performance Requirements for Protective (Safety) Toe Cap Footwear

ASTM F2413-24

Protective Toe Impact Resistance

(ASTM F2412-24, Clause 5; Impact energy: 101.75 J)

A US 9#(Left)

| | No. 1 | No. 2 | Requirement |
|-------------------------------|-------|-------|--------------|
| Internal Height Clearance(mm) | 15.5 | 17.7 | Min. 12.7 mm |

Conclusion

Pass

A US 9#(Right)

| | No. 3 | Requirement |
|-------------------------------|-------|--------------|
| Internal Height Clearance(mm) | 17.0 | Min. 12.7 mm |

Conclusion

Pass

Protective Toe Compression Resistance

(ASTM F2412-24, Clause 6; Compression load: 2500 lbf)

A US 9#(Left)

| | No. 1 | Requirement |
|-------------------------------|-------|--------------|
| Internal Height Clearance(mm) | 26.1 | Min. 12.7 mm |

Conclusion

Pass

A US 9#(Right)

| | No. 2 | No. 3 | Requirement |
|-------------------------------|-------|-------|--------------|
| Internal Height Clearance(mm) | 25.4 | 25.9 | Min. 12.7 mm |

Conclusion

Pass



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Static Dissipative

(ASTM F2412-24, Clause 10;Test Voltage: 50 V)

A US 9#

| | No. 1 | No. 2 | No. 3 | Average | Requirement |
|--------------------------------------|-------|-------|-------|---------|---------------------|
| Electrical Resistance (Left)(MΩ) | 12.5 | 9.5 | 10.8 | 10.9 | SD 35: 1 ~ 35 MΩ |
| Electrical Resistance (Right)(MΩ) | 8.7 | 13.2 | 9.2 | 10.4 | SD 35: 1 ~ 35 MΩ |
| Electrical Resistance (One Pair)(MΩ) | 7.4 | 8.5 | 7.9 | 7.9 | SD 35: 1 ~ 35 MΩ |

Conclusion

Pass

Slip Resistance (Dry and Wet)

(ASTM F2913-24;Lubricant:Distilled Water,Vertical Force:(500±25) N)

| A-US 9# left shoe 1 | Unit | Forepart | Heel part | Requirement |
|----------------------------|------|-------------|-----------|-------------|
| <u>Clay Tile</u> | | | | |
| <u>Tested Dry Then Wet</u> | | | | |
| Coefficient of Friction | | | | - |
| Dry | - | 0.85 | 0.80 | Min. 0.40 |
| Wet | - | 0.63 | 0.57 | Min. 0.40 |
| Conclusion | | Pass | | |

| A-US 9# right shoe 2 | Unit | Forepart | Heel part | Requirement |
|----------------------------|------|-------------|-----------|-------------|
| <u>Clay Tile</u> | | | | |
| <u>Tested Wet Then Dry</u> | | | | |
| Coefficient of Friction | | | | - |
| Dry | - | 0.84 | 0.80 | Min. 0.40 |
| Wet | - | 0.62 | 0.57 | Min. 0.40 |
| Conclusion | | Pass | | |

| A-US 9# left shoe 3 | Unit | Forepart | Heel part | Requirement |
|----------------------------|------|-------------|-----------|-------------|
| <u>Clay Tile</u> | | | | |
| <u>Tested Dry Then Wet</u> | | | | |
| Coefficient of Friction | | | | - |
| Dry | - | 0.81 | 0.77 | Min. 0.40 |
| Wet | - | 0.61 | 0.56 | Min. 0.40 |
| Conclusion | | Pass | | |

Remark:

- 1) The performance of slip resistance can be affected by surface roughness, presence of water, contaminants such as grease and other foreign materials, and floor surface wear over time.
- 2) Shoe Size: US 9



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Slip Resistance (Oily/Wet)

(ASTM F2913-24;Test Surface:Clay Tile;Vertical Force:(500±25) N)

| A US 9# | Unit | Backward forepart | Forward heel | Requirement |
|--|------|-------------------|--------------|-------------|
| Oily Wet ((0.2±0.02g) of 100% corn oil with distilled water) | | | | |
| Coefficient of Friction | | | | - |
| Shoe 1(Left) | - | 0.36 | 0.35 | Min. 0.33 |
| Shoe 2(Right) | - | 0.35 | 0.35 | Min. 0.33 |
| Shoe 3(Left) | - | 0.37 | 0.36 | Min. 0.33 |
| Conclusion | | Pass | | |

Remark:

The performance of slip resistance can be affected by surface roughness, presence of water, contaminants such as grease and other foreign materials, and floor surface wear over time.



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Sample Photo



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Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

End of Report

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