



中国认可
国际互认
检测
TESTING
CNAS-L0167

Test Report

SL92439350218401FW

Date: November 07, 2024 Page 1 of 7

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

Attn: Peter De Mezure

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

Group Reference : TROOPER
Model(s) Description : TROOPER Safety Ankle Boot in Black

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

Sample Description : Three Pairs of Safety Ankle Boot in Black

Buyer's Name : CORTINA
Brand : SAFETY JOGGER
Manufacturer : CORTINA
Size : Men's US 9
Model Name : TROOPER
Reference Number: : /
Toecap : SJ Composite Toecap 459C
Puncture Resistant Device : SJ FLEX composite insert
Sole : Phylon+Rubber
Upper : Black WP Sonora Leather
Collar : Black Cordura Nylon
Tongue : Black Cordura Nylon+ Black WP Sonora Leather
Vamp Lining : Black Cosmo Kender Membrane (Polyester)
Quarter Lining : Black Cosmo Kender Membrane (Polyester)
Counter Lining : Black Cosmo Kender Membrane (Polyester)
Collar Lining : Black Polyester SJ BK Mesh
Tongue Lining : Black Polyester SJ BK Mesh+ Black Cosmo Kender Membrane (Polyester)
Insole : SJ FLEX Composite Insert Covered with Black Cosmo Kender Membrane (Polyester)
In-sock (foot-bed) : Dark Grey Polyester Mesh+SJ FOAM2 Tactical(PU)
Judgment Accordance : ASTM F2413-24
Test Performance/ Standard : See testing results page

Sample Receiving Date : Nov 04, 2024

Testing Period : Nov 04, 2024 ~ Nov 07, 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).



SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

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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.
F = Below Client's Requirement.
= No Specified Requirement.
NA = Not Applicable.



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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#

	No. 1	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	12.8(Left)	13.8(Left)	12.9(Right)	Min. 12.7 mm

Conclusion

Pass

Protective Toe Compression Resistance

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

A US 9#

	No. 1	No. 2	No. 3	Requirement
Internal Height Clearance(mm)	26.6(left)	24.9(right)	28.0(right)	Min. 12.7 mm

Conclusion

Pass

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)	4.9	5.7	4.8	5.1	SD 10: 1 ~ 10 MΩ
Electrical Resistance (Right)(MΩ)	4.6	4.7	5.3	4.9	SD 10: 1 ~ 10 MΩ
Electrical Resistance (One Pair)(MΩ)	3.2	3.8	3.6	3.5	SD 10: 1 ~ 10 MΩ

Conclusion

Pass



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Slip Resistance (Dry and Wet)

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

A-shoe 1-Right	Unit	Forepart	Heel part	Requirement
Clay Tile				
Tested Dry Then Wet				
Coefficient of Friction				-
Dry	-	0.72	0.65	Min. 0.40
Wet	-	0.75	0.67	Min. 0.40
Conclusion		Pass		

A-shoe 2-Left	Unit	Forepart	Heel part	Requirement
Clay Tile				
Tested Wet Then Dry				
Coefficient of Friction				-
Dry	-	0.73	0.66	Min. 0.40
Wet	-	0.76	0.68	Min. 0.40
Conclusion		Pass		

A-shoe 3-Right	Unit	Forepart	Heel part	Requirement
Clay Tile				
Tested Dry Then Wet				
Coefficient of Friction				-
Dry	-	0.69	0.63	Min. 0.40
Wet	-	0.74	0.65	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: 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)	-	0.35	0.33	Min. 0.33
Shoe 2(Right)	-	0.36	0.34	Min. 0.33
Shoe 3(Right)	-	0.35	0.34	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



Product information is provided by applicant without verification or authentication of the brand.

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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